

2017 CATALOG



flow



level



temperature



pressure















Digital Meters & Controllers

**PRECISION
DIGITAL** 

www.predig.com

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Why Precision Digital?



2-3 Day
Availability



3-Year
Warranty



40+ Years
of Engineering



Worldwide
Approved

What's New

Helios Series

The power of the PROVu® with a superluminous sunlight readable display, 3X the digit height, and visible from 100 feet away.



Loop Leader® PD6600 Series

Loop-powered meters with backlit displays and 2 open collector outputs standard. Option for 2 solid state relays + 4-20 mA out.

PDW Industrial Wireless Systems

Point-to-point wireless systems completely customizable to satisfy any wireless application.



Superluminous Displays

Our brightest LEDs ever now on PROVu®, ProtEX-MAX, and Helios Series. For optimum visibility indoors and in direct sunlight.

On-Board USB & Programming Software

Available on the PROVu®, ProtEX-MAX, and Helios Series.



PD603 Sabre P Process Meter



Sabre Series



SPECIFICATIONS

| | |
|--------------------------|---|
| Input | 0-20 mA, 4-20 mA; ±10 VDC (0-5, 1-5, 0-10 V) |
| Display | 4-digit, 0.56" (14.2 mm) |
| Enclosure | 1/8 DIN NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-36 VDC option |
| Operating Temp | 0 to 65°C |
| Minimum Order Qty | 5 units |

FEATURES

- Maximum/minimum display
- Scale without a signal source
- Calibrate with a signal source
- Easy front panel programming
- Shallow depth enclosure

OPTIONS

- 24 VDC transmitter power supply

PD644 Javelin D High-Voltage DC Meter



SPECIFICATIONS

| | |
|-----------------------|-----------------------------------|
| Input | 0-300 VDC |
| Display | 4-digit, 0.56" (14.2 mm) |
| Enclosure | 1/8 DIN NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-36 VDC option |
| Operating Temp | 0 to 65°C |

FEATURES

- Maximum/minimum display
- RS-485 serial communications
- 4-20 mA output standard
- Modbus® RTU
- Shallow depth enclosure

OPTIONS

- 2 form C relays
- 24 VDC transmitter supply

PD743 Sabre T Temperature Meter



Sabre Series



SPECIFICATIONS

| | |
|--------------------------|--|
| Input | Thermocouple J, K, T, E; RTD 100 Ω platinum |
| Display | 4-digit, 0.56" (14.2 mm) |
| Enclosure | 1/8 DIN NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-36 VDC option |
| Operating Temp | 0 to 65°C |
| Minimum Order Qty | 5 units |

FEATURES

- 1° or 0.1° resolution with RTD
- Maximum/minimum display
- Pre-calibrated for all input types
- Easy front panel programming
- Shallow depth enclosure

PD765 Trident Process & Temperature Meter



Trident Virtual Meter
tvm.predig.com

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Process: 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V) Temperature: Thermocouple J, K, T, E; RTD 100 Ω Pt |
| Display | 4-digit, 0.56" (14.2 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-36 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- 1° or 0.1° resolution with RTD
- Sunlight readable display
- Maximum/minimum display
- Linear or square root with low-flow cutoff
- Transmitter power option
- Modbus® RTU & LabVIEW™ driver
- Shallow depth enclosure

PROGRAMMING SOFTWARE

- MeterView® programming software free download

OPTIONS

- 2 relays and 4-20 mA analog output
- 24 VDC transmitter power supply
- Dual 24 VDC transmitter power supplies
- USB, RS-232, & RS-485 serial communications

PD765 X2 Trident X2 Process & Temperature Meter



Trident Virtual Meter
tvm.predig.com

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Process: 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V) Temperature: Thermocouple J, K, T, E; RTD 100 Ω Pt |
| Display | 4-digit, 1.20" (30.5 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-36 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- 1° or 0.1° resolution with RTD
- Sunlight readable display
- Maximum/minimum display
- Linear or square root with low-flow cutoff
- Transmitter power option
- Modbus® RTU & LabVIEW™ driver
- Shallow depth enclosure

PROGRAMMING SOFTWARE

- MeterView® programming software free download

OPTIONS

- 2 relays and 4-20 mA analog output
- 24 VDC transmitter power supply
- Dual 24 VDC transmitter power supplies
- USB, RS-232, & RS-485 serial communications

PD865 Snooper Modbus® Serial Input Meter



Snooper



SPECIFICATIONS

| | |
|-----------------------|--------------------------------|
| Input | RS-485 Modbus® RTU |
| Display | 6-digit, 0.56" (14.2 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-36 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Master, slave, or snooper mode
- 2 form A relays
- Linear, square root, or programmable exponent
- RS-485 serial communications
- Proxy polling for up to 8 PVs
- Shallow depth enclosure

OPTIONS

- 2 form C relays
- Isolated 4-20 mA transmitter output

PD6000 PROVu® Process Meter

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SERIES



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | 0-20 mA, 4-20 mA; ±10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter display
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Dual-scale for level applications
- Signal input conditioning for flow & level
- 32-point, square root, or exponential linearization
- Tare function

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD6001 PROVu® Feet & Inches Level Meter

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SERIES



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) feet & inches upper display, & 0.46" (12 mm) lower display |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter display
- Ft & In display ideal for level applications
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Dual-scale for level applications
- Signal input conditioning for flow & level
- 32-point, square root, or exponential linearization

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD6060 PROVu® Dual-Input Process Meter

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PROVu®
SERIES



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Dual 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter display
- Displays two inputs simultaneously
- Math functions capabilities
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, square root, or exponential linearization

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA output modules
- RS-232 & RS-485 serial communications
- SunBright display models

Brilliant

Our Brightest & Most Intelligent PROVu[®] Ever



Superluminous
Displays

Our brightest
LEDs ever



On-Board
MeterView[®] Pro

PC programming
software



On-Board
USB Port

Streamlines meter
programming

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PROVu[®]
SERIES

PD6080 PROVu® Modbus® Scanner with Dual Analog Input

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SERIES



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Modbus® RTU; Dual 0-20 mA, 4-20 mA, ±10 VDC (0-5, 1-5, 0-10 V) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Master, slave, or snooter mode
- Poll and display up to 16 PVs
- Math functions capabilities
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, square root, or exponential linearization
- 4-20 mA analog output option (up to 3)

PROGRAMMING SOFTWARE

- **NEW** on-board USB & ScanView programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA output modules
- RS-232 serial communications

PD6081 PROVu® Feet & Inches Modbus® Scanner with Dual Analog Input

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SERIES



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Modbus® RTU; Dual 0-20 mA, 4-20 mA, ±10 VDC (0-5, 1-5, 0-10 V) |
| Display | Dual-line 6-digit, 0.60" (15 mm) feet & inches upper display, & 0.46" (12 mm) lower display |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Master, slave, or snooter mode
- Poll and display up to 16 PVs
- Ft & In display ideal for level applications
- Math functions capabilities
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, sq. root, or exp. linearization
- 4-20 mA analog output option (up to 3)

PROGRAMMING SOFTWARE

- **NEW** on-board USB & ScanView programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA output modules
- RS-232 serial communications

PD6088 PROVu® Modbus® Scanner

IMPROVED



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Modbus® RTU |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

PROVu®
SERIES



FEATURES

- **NEW** brighter SunBright display
- Master, slave, or snooper mode
- Poll and display up to 16 PVs
- Math functions capabilities
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, square root, or exponential linearization
- 4-20 mA analog output option (up to 3)

PROGRAMMING SOFTWARE

- **NEW** on-board USB & ScanView programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA output modules

PD6089 PROVu® Feet & Inches Modbus® Scanner

IMPROVED



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Modbus® RTU |
| Display | Dual-line 6-digit, 0.60" (15 mm) feet & inches upper display, & 0.46" (12 mm) lower display |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

PROVu®
SERIES



FEATURES

- **NEW** brighter SunBright display
- Master, slave, or snooper mode
- Poll and display up to 16 PVs
- Ft & In display ideal for level applications
- Math functions capabilities
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, sq. root, or exp. linearization
- 4-20 mA analog output option (up to 3)

PROGRAMMING SOFTWARE

- **NEW** on-board USB & ScanView programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA output modules

PD6100 PROVu® Strain Gauge Meter

IMPROVED



PROVu®
SERIES



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | 15, 30, 150, 300 mV unipolar; ± 15 , ± 25 , ± 150 , ± 250 mV bipolar; Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter display
- 5 or 10 VDC sensor excitation
- Supports up to twelve 350 Ω load cells (minimum load resistance of 28 Ω)
- Capture or programmable tare feature
- Auto-zero feature eliminates zero drift
- Ratiometric operation
- Max/min or peak/valley hold feature
- Dual-scale feature - single input
- Rounding to 1, 2, 5, 10, 20, 50, or 100

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD6200 PROVu® Analog Input Flow Rate/Totalizer

IMPROVED



PROVu®
SERIES



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter display
- Isolated 24 VDC @ 200 mA transmitter power supply
- Displays rate and total simultaneously
- Count up or down, total & grand total
- Open channel flow with programmable exponent
- Total, grand total, or non-resettable grand total
- 32-point linearization
- On-board digital input (for remote reset)

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD6210 PROVu® Analog Input Batch Controller

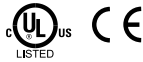
IMPROVED



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

PROVu
SERIES



FEATURES

- **NEW** brighter display
- Isolated 24 VDC @ 200 mA transmitter power supply
- Start, batch, pause, & stop with front panel buttons
- Display batch total + rate, grand total, batch count or preset
- Single or multi-stage batching with up to 8 relays
- Automatic overrun correction
- Manual control or automatic batching
- On-board digital input (for remote reset)

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD6262 PROVu® Dual Analog Input Flow Rate/Totalizer

IMPROVED



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Dual 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

PROVu
SERIES



FEATURES

- **NEW** brighter display
- Display two flow inputs simultaneously
- Display rate & total simultaneously
- Math functions capabilities
- Isolated 24 VDC @ 200 mA transmitter power supply
- Count up or down, total & grand total
- Open channel flow with programmable exponent
- Total, grand total, or non-resettable grand total

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA output modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD6300 PROVu® Pulse Input Flow Rate/Totalizer

IMPROVED



PROVu
SERIES



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave; Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter display
- 5, 10, or 24 VDC flowmeter power supply
- Displays rate and total simultaneously
- Count up or down, total & grand total
- Gate function for rate display of slow pulse rates
- K-Factor, internal scaling, or external calibration
- Total, grand total, or non-resetable grand total

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD6310 PROVu® Pulse Input Batch Controller

IMPROVED



PROVu
SERIES



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave, Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter display
- 5, 10, or 24 VDC flowmeter power supply
- K-Factor, internal scaling, or external calibration
- Start, batch, pause, & stop with front panel buttons
- Display batch total + rate, grand total, batch count or preset
- Single or multi-stage batching with up to 8 relays
- Automatic overrun correction
- Manual control or automatic batching

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

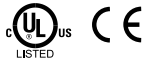
- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD6310-WM PROVu® Weights & Measures Batch Controller

IMPROVED



PROVu®
SERIES



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave, Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter display
- NTEP® Certified weighing and measuring device
- Mechanically secured programming
- Start, batch, pause, & stop buttons
- Display batch total + rate, grand total, batch count or preset
- Single or multi-stage batching with up to 8 relays
- Automatic overrun correction
- Manual control or automatic batching
- Count up or down, total & grand total

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD6363 PROVu® Dual Pulse Input Flow Rate/Totalizer

IMPROVED



PROVu®
SERIES



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Dual Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave; Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter display
- Displays two inputs simultaneously
- Displays rate and total simultaneously
- Math functions capabilities
- 5, 10, or 24 V flowmeter power supply
- Count up or down, total & grand total
- Gate function for rate display of slow pulse rates
- K-Factor, internal scaling, or external calibration
- Total, grand total, or non-resetable grand total

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA out modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD6400 PROVu® High Voltage & Current Meter

IMPROVED



PROVu
SERIES



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | High voltage: (channel V) 0-300 VDC or VAC; High current: (channel A) 0-5 AAC or ADC; Modbus PV (Slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter display
- (1) high voltage and (1) high current Input
- Displays voltage and current simultaneously
- Multiplication for apparent power calculation

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD7000 PROVu® Temperature Meter

IMPROVED



PROVu
SERIES



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Thermocouple J, K, T, E, R, S, B, N, C; RTD 100 Ω Pt, 10 Ω Cu, 120 Ω Ni, 1,000 Ω Pt; Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -20 to 65°C |

FEATURES

- **NEW** brighter display
- 1° or 0.1° resolution
- Displays up to 3300°F
- Averages up to 10 RTD sensors
- Automatic cold junction compensation

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- RS-232 & RS-485 serial communications
- SunBright display models

PD662 Survivor NEMA 4X Process Meter

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | 4-20 mA |
| Display | 3½+ digits 0.6" (15.24 mm) |
| Enclosure | NEMA 4X high impact plastic |
| Power | Loop-powered |
| V Drop | 1.7 V 3.7 V with backlight |
| Operating Temp | -40 to 75°C (-55 to 75°C with heater) |

FEATURES

- Maximum/minimum display
- Easy four-button programming
- ½" NPT conduit hole
- HART protocol transparent
- Multi-point linearization and square root function

OPTIONS

- Heater
- Loop-powered backlight



Survivor



PD683 Loop Leader® Process Meter

SPECIFICATIONS

| | |
|-----------------------|-------------------------------|
| Input | 4-20 mA |
| Display | 5-digit, 0.6" (15.2 mm) |
| Enclosure | 1/8 DIN NEMA 4X/IP65 front |
| Power | Loop-powered |
| V Drop | 2.0 V 5.7 V with backlight |
| Operating Temp | -30 to 65°C |

FEATURES

- Loop-powered backlight standard
- Custom engineering units
- Maximum/minimum display
- Linear, square root or programmable exponent
- Bargraph display and trend arrow
- Shallow depth enclosure

OPTIONS

- PD688 intrinsically safe version



Loop Leader®
Series



PD684 Loop Leader® Rate/Totalizer

SPECIFICATIONS

| | |
|-----------------------|-------------------------------|
| Input | 4-20 mA |
| Display | 5-digit, 0.6" (15.2 mm) |
| Enclosure | 1/8 DIN NEMA 4X/IP65 front |
| Power | Loop-powered |
| V Drop | 2.0 V 5.7 V with backlight |
| Operating Temp | -20 to 65°C |

FEATURES

- Loop-powered backlight standard
- Custom engineering units
- Maximum/minimum display
- Linear, square root or programmable exponent
- Bargraph display and trend arrow
- Alternating rate/total display
- Open collector alarm or pulse output
- Shallow depth enclosure

OPTIONS

- PD689 intrinsically safe version



Loop Leader®
Series



IMPROVED

PD685 NEMA 4X Process Meter

SPECIFICATIONS

| | |
|-----------------------|-------------------------------|
| Input | 4-20 mA |
| Display | 3½ digits, 1.0" (25.4 mm) |
| Enclosure | NEMA 4X high impact plastic |
| Power | Loop-powered |
| V Drop | 1.0 V 4.0 V with backlight |
| Operating Temp | -40 to 80°C |

FEATURES

- **NEW** Loop-powered backlight
- **NEW** ATEX & CE certification (Check www.predig.com for details)
- ½" NPT conduit hole (bottom)
- NEMA 4X IP67 high impact plastic enclosure

OPTIONS

- ½" conduit hole (rear, top, or none)
- PD686 FM and CSA approved



Intrinsically safe
Check www.predig.com for details

PD686 NEMA 4X Process Meter

SPECIFICATIONS

| | |
|-----------------------|-----------------------------|
| Input | 4-20 mA |
| Display | 3½ digits, 1.0" (25.4 mm) |
| Enclosure | NEMA 4X high impact plastic |
| Power | Loop-powered |
| V Drop | 1.0 V |
| Operating Temp | -40 to 85°C |

FEATURES

- ½" NPT conduit hole (bottom)
- NEMA 4X IP67 high impact plastic enclosure

OPTIONS

- ½" conduit hole (rear, top, or none)
- PD685 ATEX and CE approved



Intrinsically safe and non-incendive

PD688 Loop Leader® Process Meter

SPECIFICATIONS

| | |
|-----------------------|-------------------------------|
| Input | 4-20 mA |
| Display | 5-digit, 0.6" (15.2 mm) |
| Enclosure | 1/8 DIN NEMA 4X/IP65 front |
| Power | Loop-powered |
| V Drop | 2.0 V 5.7 V with backlight |
| Operating Temp | -30 to 65°C |

FEATURES

- Loop-powered backlight standard
- Custom engineering units
- Maximum/minimum display
- Linear, square root or programmable exponent
- Bargraph display and trend arrow
- Shallow depth enclosure

OPTIONS

- PD683 safe area version



Intrinsically safe and non-incendive

NEW

Simple. Capable.

Two-wire, loop-powered meters and totalizers with an information packed display for alarms, pump control, & retransmission



Key Benefits

- Loop-powered backlight
- Alphanumeric tag names
- Decimal, bargraph, and feet & inches displays
- Total display with commas
- Conformal coating protection
- Relay pump alternation
- Batch control relay operation

Standard Features

| | | | |
|---------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 2 Open Collector Outputs | 2 Color Backlight | 2 Line Display | 1.5 Voltage Drop |
|---------------------------------------|--------------------------------|-----------------------------|-------------------------------|

Optional Features

| | | | |
|-----------------------------------|--------------------------------------|------------------------------------|------------------------------|
| 2 Solid State Relays | 1 4-20 mA Analog Output | 1 20-Segment Bargraph | 3 Display Types |
|-----------------------------------|--------------------------------------|------------------------------------|------------------------------|

See what Loop Leader® has to offer
www.predig.com/loopleader



PD689 Loop Leader® Rate/Totalizer

SPECIFICATIONS

| | | | |
|-----------------------|-----------------------------|---------------|-------------------------------|
| Input | 4-20 mA | | |
| Display | 5-digit, 0.6" (15.2 mm) | | |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front | | |
| Power | Loop-powered | | |
| Operating Temp | -20 to 65°C | V Drop | 2.0 V 5.7 V with backlight |



Loop Leader®
Series



Intrinsically safe and non-incendive

FEATURES

- Loop-powered backlight standard
- Custom engineering units
- Maximum/minimum display
- Linear, square root or programmable exponent
- Bargraph display and trend arrow
- Alternating rate/total display
- Open collector alarm or pulse output
- Shallow depth enclosure

OPTIONS

- PD684 safe area version

PD6602 Loop Leader® Process Meter

NEW

SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|-------------------------------|
| Input | 4-20 mA | | |
| Display | 5-digit upper display 0.7" (17.8 mm), 8 alphanumeric character lower display 0.4" (10.1 mm) with commas | | |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front | | |
| Power | Loop-powered | | |
| Operating Temp | -40 to 75°C | V Drop | 1.5 V 4.5 V with backlight |



Loop Leader®
Series

FEATURES

- Loop-powered backlight standard
- Alphanumeric tag names
- Conformal coating for protection
- Shallow depth enclosure
- 2 open collector outputs standard
- Timer functions for OC and relays
- Relay pump alternation
- Relay runtime and cycle count
- Multi-point linearization, square root, exponential, and round horizontal tank input conditioning functions

OPTIONS

- 2 solid state relays
- 4-20 mA analog output

PD6603 Loop Leader® Feet & Inches Level Meter with Bargraph

NEW

SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|-------------------------------|
| Input | 4-20 mA | | |
| Display | 0.7" (17.8 mm) feet & inches upper display, 8 alphanumeric character lower display 0.4" (10.1 mm) with commas, & 20-segment bargraph | | |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front | | |
| Power | Loop-powered | | |
| Operating Temp | -40 to 75°C | V Drop | 1.5 V 4.5 V with backlight |



Loop Leader
Series

FEATURES

- Loop-powered backlight standard
- Ft & In display ideal for level applications
- Displays up to 999 ft 11 in ¹⁵/₁₆
- Alphanumeric tag names
- Conformal coating for protection
- 20-Segment bargraph display
- Shallow depth enclosure
- 2 open collector outputs standard
- Multi-point linearization, square root, exponential, and round horizontal tank input conditioning functions

OPTIONS

- 2 solid state relays
- 4-20 mA analog output

PD6604 Loop Leader® Process Meter with Bargraph

NEW

SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|-------------------------------|
| Input | 4-20 mA | | |
| Display | 5-digit upper display 0.7" (17.8 mm), 8 alphanumeric character lower display 0.4" (10.1 mm) with commas, & 20-segment bargraph | | |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front | | |
| Power | Loop-powered | | |
| Operating Temp | -40 to 75°C | V Drop | 1.5 V 4.5 V with backlight |



Loop Leader
Series

FEATURES

- Loop-powered backlight standard
- 20-Segment bargraph display
- Alphanumeric tag names
- Conformal coating for protection
- Shallow depth enclosure
- 2 open collector outputs standard
- Timer functions for OC and relays
- Relay pump alternation
- Multi-point linearization, square root, exponential, and round horizontal tank input conditioning functions

OPTIONS

- 2 solid state relays
- 4-20 mA analog output

NEW

PD6622 Loop Leader® Flow Rate/Totalizer

SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|-------------------------------|
| Input | 4-20 mA | | |
| Display | 5-digit upper display 0.7" (17.8 mm), 8 alphanumeric character lower display 0.4" (10.1 mm) with commas | | |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front | | |
| Power | Loop-powered | | |
| Operating Temp | -40 to 75°C | V Drop | 1.5 V 4.5 V with backlight |



Loop Leader
Series

FEATURES

- Loop-powered backlight
- Display rate & total simultaneously
- Intuitive total display with commas
- Alphanumeric tag names
- Total, grand total, or non-resettable grand total
- Up to 13-digit total & grand total
- Conformal coating for protection
- 2 open collector outputs standard
- Shallow depth enclosure
- Batch control relay operation

OPTIONS

- 2 solid state relays
- 4-20 mA analog output

PD6624 Loop Leader® Flow Rate/Totalizer with Bargraph

NEW

SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|-------------------------------|
| Input | 4-20 mA | | |
| Display | 5-digit upper display 0.7" (17.8 mm), 8 alphanumeric character lower display 0.4" (10.1 mm) with commas, & 20-segment bargraph | | |
| Enclosure | 1/8 DIN, NEMA 4X/IP65 front | | |
| Power | Loop-powered | | |
| Operating Temp | -40 to 75°C | V Drop | 1.5 V 4.5 V with backlight |



Loop Leader
Series

FEATURES

- Loop-powered backlight
- 20-Segment bargraph display
- Display rate & total simultaneously
- Intuitive total display with commas
- Alphanumeric tag names
- Total, GT, or non-resettable GT
- Up to 13-digit total & grand total
- Conformal coating for protection
- 2 open collector outputs standard
- Shallow depth enclosure
- Batch control relay operation

OPTIONS

- 2 solid state relays
- 4-20 mA analog output

NEW

The Next Generation Large Display Meters & Controllers

The power of the PROVu[®] with a superluminous
sunlight readable display, 3X the digit height,
and visible from 100 feet away.

CE



HELIOS

www.predig.com/helios

PRECISION DIGITA



Dual-line 6-digit 1.8"
(46 mm) Display

Actual
Size



Superluminous
Display



Visible from
100 Ft Away



On-Board USB
Programming



IP65
Enclosure



Field Mountable,
Great for Outdoors



2

PD2-6000 Helios Process Meter

NEW



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Dual-scale for level applications
- Signal input conditioning for flow & level
- 32-point, square root, exponential, or round horizontal tank linearization
- Tare function

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-6001 Helios Feet & Inches Level Meter

NEW



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) feet & inches upper display, & 0.46" (12 mm) lower display |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- Ft & In display ideal for level applications
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Dual-scale for level applications
- Signal input conditioning for flow & level
- 32-point, square root, exponential, or round horizontal tank linearization

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

NEW

PD2-6060 Helios Dual-Input Process Meter



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Dual 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- Displays two inputs simultaneously
- Math functions capabilities
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, square root, exponential, or round horizontal tank linearization

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-6080 Helios Modbus® Scanner with Dual Analog Input

NEW



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Modbus® RTU; Dual 0-20 mA, 4-20 mA, ± 10 VDC (0-5, 1-5, 0-10 V) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- Master, slave, or snoop mode
- Poll and display up to 16 PVs
- Math functions capabilities
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, square root, exponential, or round horizontal tank linearization

PROGRAMMING SOFTWARE

- On-board USB and ScanView programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-6081 Helios Feet & Inches Modbus® Scanner with Dual Analog Input

NEW

**SPECIFICATIONS**

| | |
|-----------------------|---|
| Input | Modbus® RTU; Dual 0-20 mA, 4-20 mA, ±10 VDC (0-5, 1-5, 0-10 V) |
| Display | Dual-line 6-digit, 0.60" (15 mm) feet & inches upper display, & 0.46" (12 mm) lower display |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- Master, slave, or snooter mode
- Poll and display up to 16 PVs
- Ft & In display ideal for level applications
- Math functions capabilities
- Isolated 24 VDC @ 200 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, sq. root, or exp. linearization

PROGRAMMING SOFTWARE

- On-board USB and ScanView programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-6100 Helios Strain Gauge Meter

NEW

**SPECIFICATIONS**

| | |
|-----------------------|--|
| Input | 15, 30, 150, 300 mV unipolar; ±15, ±25, ±150, ±250 mV bipolar; Modbus PV (slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- 5 or 10 VDC sensor excitation
- Supports up to twelve 350 Ω load cells (minimum load resistance of 28 Ω)
- Capture or programmable tare feature
- Auto-zero feature eliminates zero drift
- Ratiometric operation
- Max/min or peak/valley hold feature
- Dual-scale feature - single input
- Rounding to 1, 2, 5, 10, 20, 50, or 100

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-6200 Helios Analog Input Flow Rate/Totalizer

NEW



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- Isolated 24 VDC @ 200 mA transmitter power supply
- Displays rate and total simultaneously
- Count up or down, total & grand total
- Open channel flow with programmable exponent
- Total, grand total, or non-resettable grand total
- 32-point linearization
- On-board digital input (for remote reset)

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-6210 Helios Analog Input Batch Controller

NEW



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- Isolated 24 VDC @ 200 mA transmitter power supply
- Start, batch, pause, & stop with front panel buttons
- Display batch total + rate, grand total, batch count or preset
- Single or multi-stage batching
- Automatic overrun correction
- Manual control or automatic batching
- On-board digital input (for remote reset)

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-6262 Helios Dual Analog Input Flow Rate/Totalizer

NEW

**SPECIFICATIONS**

| | |
|-----------------------|---|
| Input | Dual 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- Display two flow inputs simultaneously
- Display rate & total simultaneously
- Math functions capabilities
- Isolated 24 VDC @ 200 mA transmitter power supply
- Count up or down, total & grand total
- Open channel flow with programmable exponent
- Total, grand total, or non-resetable grand total

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-6300 Helios Pulse Input Flow Rate/Totalizer

NEW

**SPECIFICATIONS**

| | |
|-----------------------|--|
| Input | Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave; Modbus PV (slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- 5, 10, or 24 VDC flowmeter power supply
- Displays rate and total simultaneously
- Count up or down, total & grand total
- Gate function for rate display of slow pulse rates
- K-Factor, internal scaling, or external calibration
- Total, grand total, or non-resetable grand total

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

NEW

PD2-6310 Helios Pulse Input Batch Controller



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave; Modbus PV (slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- 5, 10, or 24 VDC flowmeter power supply
- K-Factor, internal scaling, or external calibration
- Start, batch, pause, & stop with front panel buttons
- Display batch total + rate, grand total, batch count or preset
- Single or multi-stage batching
- Automatic overrun correction
- Manual control or automatic batching

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-6363 Helios Dual Pulse Input Flow Rate/Totalizer

NEW



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Dual Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave; Modbus PV (slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- Displays rate and total simultaneously
- Displays two inputs simultaneously
- Math functions capabilities
- 5, 10, or 24 V flowmeter power supply
- Count up or down, total & grand total
- K-Factor, internal scaling, or external calibration
- Total, grand total, or non-resettable grand total

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-6400 Helios High Voltage & Current Meter

NEW



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | High voltage: (channel V) 0-300 VDC or VAC; High current: (channel A) 0-5 AAC or ADC; Modbus PV (Slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- (1) high voltage and (1) high current input
- Displays voltage and current simultaneously
- Multiplication for apparent power calculation

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD2-7000 Helios Temperature Meter

NEW



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Thermocouple J, K, T, E, R, S, B, N, C; RTD 100 Ω Pt, 10 Ω Cu, 120 Ω Ni, 1,000 Ω Pt; Modbus PV (slave) |
| Display | Dual-line 6-digit, 1.80" (46 mm) |
| Enclosure | Polycarbonate & glass blended plastic / IP65 rated |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -20 to 65°C |

FEATURES

- Superluminous SunBright display
- Readable from 100 feet away
- 1° or 0.1° resolution
- Displays up to 3300°F
- Averages up to 10 RTD sensors
- Automatic cold junction compensation

PROGRAMMING SOFTWARE

- On-board USB and MeterView® Pro programming software

OPTIONS

- 4 form C relays + 4-20 mA output with isolated 24 VDC power supply

PD650 Large Display Process Meter



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V) |
| Display | 4½ digits, 2.3" (57.3 mm) |
| Enclosure | NEMA 4X aluminum |
| Power | 115/230 VAC or 22-28 VDC |
| Operating Temp | -20 to 65°C |

FEATURES

- Programmable exponent for weirs & flumes
- 6-digit display for total
- Two 24 VDC transmitter power supplies

OPTIONS

- 200 mA transmitter power supply
- 2 or 4 relays & 4-20 mA output

PD655 Large Display Process Meter



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V) |
| Display | 4½ digits, 1.0" (25.4 mm) |
| Enclosure | NEMA 4X high impact plastic |
| Power | 115/230 VAC or 22-28 VDC |
| Operating Temp | -20 to 65°C |

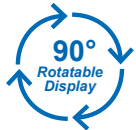
FEATURES

- Programmable exponent for weirs & flumes
- 6-digit display for total
- Two 24 VDC transmitter power supplies
- Pump alternation

OPTIONS

- 200 mA transmitter power supply
- 2 or 4 relays & 4-20 mA output

PD6700-0L1 Vantageview Level Meter



SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|----------------------|
| Input | 4-20 mA | | |
| Display | 5-digit upper display 0.7" (17.8 mm); 7 alphanumeric character lower display 0.4" (10.2 mm) | | |
| Enclosure | Plastic NEMA 4X field mount | | |
| Power | Loop-powered | V Drop | 3.0 V |
| Operating Temp | -40 to 75°C | | 6.0 V with backlight |

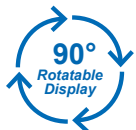
FEATURES

- Level indication bargraph
- Open collector Hi or Lo alarm
- Alphanumeric tag names
- 32-point, square root, or exponential linearization
- Backlight standard
- Loop-powered
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-window button programming

OPTIONS

- PD6800-0L1 explosion-proof version

PD6700 Vantageview Process Meter



SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|----------------------|
| Input | 4-20 mA | | |
| Display | 5-digit upper display 0.7" (17.8 mm); 7 alphanumeric character lower display 0.4" (10.2 mm) | | |
| Enclosure | Plastic NEMA 4X field mount | | |
| Power | Loop-powered | V Drop | 3.0 V |
| Operating Temp | -40 to 75°C | | 6.0 V with backlight |

FEATURES

- Alphanumeric tag names
- 32-point, square root, or exponential linearization
- Backlight standard
- Loop-powered
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-window button programming

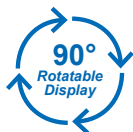
OPTIONS

- PD6800 explosion-proof version

PD6701 Vantageview Feet & Inches Level Meter



 vantageview



SPECIFICATIONS

| | | | |
|-----------------------|---|---------------|----------------------|
| Input | 4-20 mA | | |
| Display | 0.6" (15.24 mm) feet & inches upper display; 7 alphanumeric character lower display 0.4" (10.2 mm) | | |
| Enclosure | Plastic NEMA 4X field mount | | |
| Power | Loop-powered | V Drop | 3.0 V |
| Operating Temp | -40 to 75°C | | 6.0 V with backlight |

FEATURES

- Ft & In display ideal for level applications
- Displays up to 699 ft 11 in & $\frac{7}{8}$ or $\frac{15}{16}$
- Lower display for alphanumeric tag, volume, or percent
- 20-segment tank level bargraph
- Open collector Hi or Lo alarm
- Backlight standard
- Loop-powered
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-window button programming

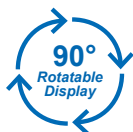
OPTIONS

- PD6801 explosion-proof version

PD6720 Vantageview Analog Input Flow Rate/Totalizer



 vantageview



SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|----------------------|
| Input | 4-20 mA | | |
| Display | 5-digit upper display 0.7" (17.8 mm); 7 alphanumeric character lower display 0.4" (10.2 mm) | | |
| Enclosure | Plastic NEMA 4X field mount | | |
| Power | Loop-powered | V Drop | 3.0 V |
| Operating Temp | -40 to 75°C | | 6.0 V with backlight |

FEATURES

- 7-digit totalizer
- Open collector pulse or alarm output
- 32-point, square root, or exponential linearization
- Backlight standard
- Loop-powered
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-window button programming

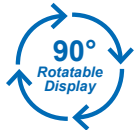
OPTIONS

- PD6820 explosion-proof version

PD6730 Vantageview Pulse Input Flow Rate/Totalizer



 vantageview



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave, opto-isolated |
| Display | 5-digit rate 0.7" (17.8 mm); 7 alphanumeric character total 0.4" (10.2 mm) |
| Enclosure | Plastic NEMA 4X field mount |
| Power | 9-30 VDC, output-loop, or battery |
| Operating Temp | -40 to 75°C (-20 to 75°C battery) |

FEATURES

- 13-digit total with overflow display
- Mounts directly to flowmeter
- Automatic rate, total, & grand total unit conversions
- On-board data logging (1024 points)
- Two isolated open collector pulse outputs, up to 5 kHz
- Backlight standard
- SafeTouch® through-window button programming

OPTIONS

- Isolated 4-20 mA output for rate, total, or grand total
- Isolated or non-isolated RS-485 with Modbus® serial communications
- PD6830 explosion-proof version

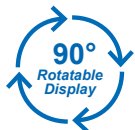
PROGRAMMING SOFTWARE

- MeterView® EX programming software
- Configure the meter
- Monitor present trends
- Log to as large of a file as needed

PD6730X Vantageview Modbus® Scanner



 vantageview



SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Modbus® RTU, pulse |
| Display | 5-digit 0.7" (17.8 mm) upper display; 7 alphanumeric character 0.4" (10.2 mm) lower display |
| Enclosure | Plastic NEMA 4X field mount |
| Power | 9-30 VDC |
| Operating Temp | -40 to 75°C |

FEATURES

- Master, slave, or snoop mode
- Scan up to 16 PVs
- Alphanumeric tag names
- Two open collector pulse or alarm outputs
- Backlight standard
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-window button programming

OPTIONS

- PD6830X explosion-proof version

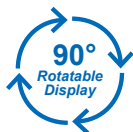
PROGRAMMING SOFTWARE

- ScanView EX programming software
- Manage scanner settings
- Download data logs
- Set up K-factor, scaling, tag, units & more

PD6730X Vantageview Feet & Inches Modbus® Scanner



 vantageview



SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Modbus® RTU |
| Display | 0.6" (15.24 mm) feet & inches upper display; 7 alphanumeric character lower display 0.4" (10.2 mm) |
| Enclosure | Plastic NEMA 4X field mount |
| Power | 9-30 VDC |
| Operating Temp | -40 to 75°C |

FEATURES

- Master, slave, or snooter mode
- Scan up to 16 PVs
- Ft & In display ideal for level applications
- Displays up to 699 ft 11 in & ⁷/₈ or ¹⁵/₁₆
- 20-segment tank level bargraph
- Alphanumeric tag names
- Two open collector alarm outputs
- Backlight standard
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-window button programming

OPTIONS

- PD6830X explosion-proof version

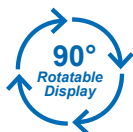
PROGRAMMING SOFTWARE

- ScanView EX programming software
- Manage scanner settings
- Download data logs
- Set up K-factor, scaling, tag, units & more

PD6770 Vantageview Large Display Meter



 vantageview



SPECIFICATIONS

| | |
|-----------------------|-------------------------------|
| Input | 4-20 mA |
| Display | 3½ digits, 1.0" (25.4 mm) |
| Enclosure | Plastic NEMA 4X field mount |
| Power | Loop-powered |
| Operating Temp | -40 to 75°C |
| V Drop | 1.0 V 4.0 V with backlight |

FEATURES

- Flanges for wall or pipe mounting
- Easy calibration and installation
- HART Protocol Transparent

OPTIONS

- Loop-powered backlight
- PD6870 explosion-proof version

PD663 ProtEX-Lite Process Meter

SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|----------------------|
| Input | 4-20 mA | | |
| Display | 3½+ digits, 0.6" (15.24 mm) | | |
| Enclosure | Smooth die-cast aluminum explosion-proof, NEMA 4X/IP66 | | |
| Power | Loop-powered | V Drop | 1.7 V |
| Operating Temp | -40 to 75°C | | 4.7 V with backlight |



FEATURES

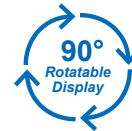
- Flanges for wall or pipe mounting
- Maximum/minimum display
- Programmable noise filter
- Multi-point linearization and square root function

OPTIONS

- Loop-powered backlight
 - Reed switches for through-glass programming*
- * PDA-MAG magnetic wand needed for reed switches



Explosion-proof. Complete product approved.



PD6800-0L1 ProtEX-Pro Level Meter

SPECIFICATIONS

| | | | |
|-----------------------|---|---------------|----------------------|
| Input | 4-20 mA | | |
| Display | 5-digit upper display 0.6" (15.24 mm); 7 alphanumeric character lower display 0.4" (10.2 mm) | | |
| Enclosure | Smooth die-cast aluminum explosion-proof, NEMA 4X/IP68 | | |
| Power | Loop-powered | V Drop | 3.0 V |
| Operating Temp | -40 to 75°C | | 6.0 V with backlight |



FEATURES

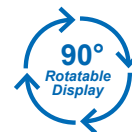
- Level indication bargraph
- Open collector Hi or Lo alarm
- Alphanumeric tag names
- 32-point, square root, or exponential linearization
- Backlight standard
- Loop-powered
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-glass button programming

OPTIONS

- PD6700-0L1 safe area version



Explosion-proof. Complete product approved.



PD6800 ProtEX-Pro Process Meter

SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|----------------------|
| Input | 4-20 mA | | |
| Display | 5-digit upper display 0.7" (17.8 mm); 7 alphanumeric character lower display 0.4" (10.2 mm) | | |
| Enclosure | Smooth die-cast aluminum explosion-proof, NEMA 4X/IP68 | | |
| Power | Loop-powered | V Drop | 3.0 V |
| Operating Temp | -40 to 75°C | | 6.0 V with backlight |

FEATURES

- Alphanumeric tag names
- 32-point, square root, or exponential linearization
- Backlight standard
- Loop-powered
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-glass button programming

OPTIONS

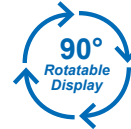
- PD6700 safe area version



ProtEX™
Pro



Explosion-proof. Complete product approved.



PD6801 ProtEX-F&I Feet & Inches Level Meter

SPECIFICATIONS

| | | | |
|-----------------------|---|---------------|----------------------|
| Input | 4-20 mA | | |
| Display | 0.6" (15.24 mm) feet & inches upper display; 7 alphanumeric character lower display 0.4" (10.2 mm) | | |
| Enclosure | Smooth die-cast aluminum explosion-proof, NEMA 4X/IP68 | | |
| Power | Loop-powered | V Drop | 3.0 V |
| Operating Temp | -40 to 75°C | | 6.0 V with backlight |

FEATURES

- Ft & In display ideal for level applications
- Displays up to 699 ft 11 in & ⁷/₈ or ¹⁵/₁₆
- Lower display for alphanumeric tag, volume, or percent
- 20-segment tank level bargraph
- Open collector Hi or Lo alarm
- Backlight standard
- Loop-powered
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-glass button programming

OPTIONS

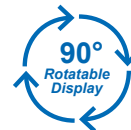
- PD6701 safe area version



ProtEX™
F&I



Explosion-proof. Complete product approved.



PD6820 ProtEX-RTA Analog Input Flow Rate/Totalizer

SPECIFICATIONS

| | | | |
|-----------------------|---|---------------|-------------------------------|
| Input | 4-20 mA | | |
| Display | 5-digit rate 0.7" (17.8 mm); 7 alphanumeric character total 0.4" (10.2 mm) | | |
| Enclosure | Smooth die-cast aluminum explosion-proof, NEMA 4X/IP68 | | |
| Power | Loop-powered | V Drop | 3.0 V 6.0 V with backlight |
| Operating Temp | -40 to 75°C | | |

FEATURES

- 7-digit totalizer
- Open collector pulse or alarm output
- 32-point, square root, or exponential linearization
- Backlight standard
- Loop-powered
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-glass button programming

OPTIONS

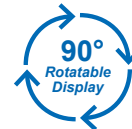
- PD6720 safe area version



ProtEX™
RTA



Explosion-proof. Complete product approved.



PD6830 ProtEX-RTP Pulse Input Flow Rate/Totalizer

SPECIFICATIONS

| | | | |
|-----------------------|--|--|--|
| Input | Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave, opto-isolated | | |
| Display | 5-digit rate 0.7" (17.8 mm); 7 alphanumeric character total 0.4" (10.2 mm) | | |
| Enclosure | Smooth die-cast aluminum explosion-proof, NEMA 4X/IP68 | | |
| Power | 9-30 VDC, output-loop, or battery | | |
| Operating Temp | -40 to 75°C (-20 to 75°C battery) | | |

FEATURES

- 13-digit total with overflow display
- Mounts directly to flowmeter
- Automatic rate, total, & grand total unit conversions
- On-board data logging (1024 points)
- Two isolated open collector pulse outputs, up to 5 kHz
- Backlight standard
- SafeTouch® through-glass button programming

OPTIONS

- Isolated 4-20 mA output for rate, total, or grand total
- Isolated or non-isolated RS-485 with Modbus® communications
- PD6730 safe area version

PROGRAMMING SOFTWARE

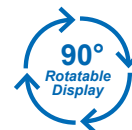
- MeterView® EX programming software
- Configure the meter
- Monitor present trends
- Log to as large of a file as needed



ProtEX™
RTP



Explosion-proof. Complete product approved.



PD6830X ProtEX-MS2 Modbus® Scanner

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Modbus® RTU, pulse |
| Display | 5-digit rate 0.7" (17.8 mm); 7 alphanumeric character total 0.4" (10.2 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof, NEMA 4X/IP68 |
| Power | 9-30 VDC |
| Operating Temp | -40 to 75°C |

FEATURES

- Master, slave, or snoop mode
- Scan up to 16 PVs
- Alphanumeric tag names
- Two open collector pulse or alarm outputs
- Backlight standard
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-glass button programming

OPTIONS

- PD6730X safe area version

PROGRAMMING SOFTWARE

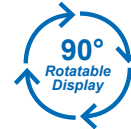
- ScanView EX programming software
- Manage scanner settings
- Download data logs
- Set up K-factor, scaling, tag, units & more



ProtEX™
MS2



Explosion-proof. Complete product approved.



PD6830X ProtEX-MFI Feet & Inches Modbus® Scanner

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Modbus® RTU |
| Display | 0.6" (15.24 mm) feet & inches upper display; 7 alphanumeric character lower display 0.4" (10.2 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof, NEMA 4X/IP68 |
| Power | 9-30 VDC |
| Operating Temp | -40 to 75°C |

FEATURES

- Master, slave, or snoop mode
- Scan up to 16 PVs
- Ft & In display ideal for level applications
- Displays up to 699 ft 11 in & $\frac{7}{8}$ or $\frac{15}{16}$
- 20-segment tank level bargraph
- Alphanumeric tag names
- Two open collector alarm outputs
- Backlight standard
- Flanges for wall or pipe mounting
- Password protection
- SafeTouch® through-glass button programming

OPTIONS

- PD6730X safe area version

PROGRAMMING SOFTWARE

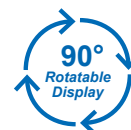
- ScanView EX programming software
- Manage scanner settings
- Download data logs
- Set up K-factor, scaling, tag, units & more



ProtEX™
MFI



Explosion-proof. Complete product approved.



PD6870 ProtEX-FarVu Large Display Meter

SPECIFICATIONS

| | | | |
|-----------------------|--|---------------|----------------------|
| Input | 4-20 mA | | |
| Display | 3½ digits, 1.0" (25.4 mm) | | |
| Enclosure | Smooth die-cast aluminum explosion-proof, NEMA 4X/IP68 | | |
| Power | Loop-powered | V Drop | 1.0 V |
| Operating Temp | -40 to 75°C | | 4.0 V with backlight |

FEATURES

- Flanges for wall or pipe mounting
- Easy calibration and installation
- HART Protocol Transparent

OPTIONS

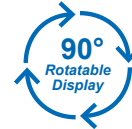
- Loop-powered backlight
- PD6770 safe area version



ProtEX™
FarVu



Explosion-proof. Complete product approved.



PD8-154 ProtEX-MAX 4-Point Annunciator

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Switch, transistor, logic level |
| Display | 4 red LED indicators |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-36 VDC |
| Operating Temp | -40 to 65°C |

FEATURES

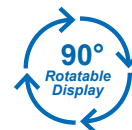
- 4-point monitoring
- All common ISA sequences
- Free custom message labels
- Built-in 85 dB horn
- Silence, acknowledge, and reset functions
- 2 SPDT relays for alarm activated devices
- Multiple-unit first-out indication
- Sunlight readable indication
- SafeTouch® through-glass buttons



ProtEX™
MAX



Explosion-proof. Complete product approved.



PD8-158 ProtEX-MAX 8-Point Annunciator

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Switch, transistor, logic level |
| Display | 8 red LED indicators |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-36 VDC |
| Operating Temp | -40 to 65°C |

FEATURES

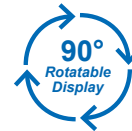
- 8-point monitoring
- All common ISA sequences
- Free custom message labels
- Built-in 85 dB horn
- Silence, acknowledge, and reset functions
- 2 SPDT relays for alarm activated devices
- Multiple-unit first-out indication
- Sunlight readable indication
- SafeTouch® through-glass buttons



ProtEX™
MAX



Explosion-proof. Complete product approved.



PD8-765 ProtEX-MAX Process & Temperature Meter

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Process: 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V) Temperature: Thermocouple J, K, T, E; RTD 100 Ω Pt |
| Display | 4-digit, 1.20" (30.5 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-36 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- 1° or 0.1° resolution with RTD
- Sunlight readable display
- Maximum/minimum display
- Linear or square root with low-flow cutoff
- Transmitter power option
- SafeTouch® through-glass buttons
- Modbus® RS-485 serial communications
- Flanges for wall or pipe mounting

PROGRAMMING SOFTWARE

- MeterView® programming software free download

OPTIONS

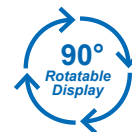
- 2 relays and 4-20 mA analog output options
- 24 VDC transmitter power supply
- Dual 24 VDC transmitter power supplies



ProtEX™
MAX



Explosion-proof. Complete product approved.



PD8-6000 ProtEX-MAX Process Meter

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Isolated 24 VDC @ 25 mA transmitter power supply
- Multi-pump alternation control
- Dual-scale for level applications
- Signal input conditioning for flow & level
- 32-point, square root, or exponential linearization
- Tare function
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

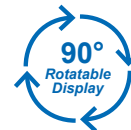
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEX[™]
MAX



Explosion-proof. Complete product approved.



PD8-6001 ProtEX-MAX Feet & Inches Level Meter

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) feet & inches upper display, & 0.46" (12 mm) lower display |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Ft & In display ideal for level applications
- Isolated 24 VDC @ 25 mA transmitter power supply
- Multi-pump alternation control
- Dual-scale for level applications
- Signal input conditioning for flow & level
- 32-point, square root, or exponential linearization
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

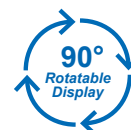
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C internal relays



ProtEX[™]
MAX



Explosion-proof. Complete product approved.



PD8-6060 ProtEX-MAX Dual-Input Process Meter

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Dual 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Displays two inputs simultaneously
- Math functions capabilities
- Isolated 24 VDC @ 25 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, square root, or exponential linearization
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

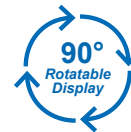
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEX[™]
MAX



Explosion-proof. Complete product approved.



PD8-6080 ProtEX-MAX Modbus® Scanner with Dual Analog Inputs

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Modbus® RTU; Dual 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Master, slave, or snooter mode
- Poll and display up to 16 PVs
- Math functions capabilities
- Isolated 24 VDC @ 25 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, square root, or exponential linearization
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & ScanView programming software

OPTIONS

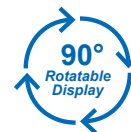
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEX[™]
MAX



Explosion-proof. Complete product approved.



Brilliant

Our Brightest & Most Intelligent ProtEX-MAX Ever



**Superluminous
Displays**

Our brightest
LEDs ever



**On-Board
MeterView® Pro**

PC programming
software



**On-Board
USB Port**

Streamlines meter
programming

See what ProtEX-MAX has to offer
www.predig.com/protex



PD8-6081 ProtEX-MAX Ft & In Modbus® Scanner with Dual Analog Inputs

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Modbus® RTU; Dual 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V) |
| Display | Dual-line 6-digit, 0.60" (15 mm) feet & inches upper display, & 0.46" (12 mm) lower display |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Master, slave, or snooper mode
- Poll and display up to 16 PVs
- Ft & In display ideal for level applications
- Math functions capabilities
- Isolated 24 VDC @ 25 mA transmitter power supply
- Multi-pump alternation control
- Signal input conditioning for flow & level
- 32-point, sq. root, or exp. linearization
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & ScanView programming software

OPTIONS

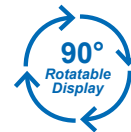
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEX[™]
MAX



Explosion-proof. Complete product approved.



PD8-6100 ProtEX-MAX Strain Gauge Meter

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | 15, 30, 150, 300 mV unipolar; ± 15 , ± 25 , ± 150 , ± 250 mV bipolar; Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- 5 or 10 VDC sensor excitation
- Capture or programmable tare feature
- Auto-zero feature eliminates zero drift
- Ratiometric operation
- Max/min or peak/valley hold feature
- Dual-scale feature - single input
- Rounding to 1, 2, 5, 10, 20, 50, or 100
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

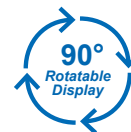
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEX[™]
MAX



Explosion-proof. Complete product approved.



PD8-6200 ProtEX-MAX Analog Input Flow Rate/Totalizer

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Isolated 24 VDC @ 25 mA transmitter power supply
- Displays rate and total simultaneously
- Count up or down, total & grand total
- Open channel flow with programmable exponent
- Total, grand total, or non-resettable grand total
- 32-point linearization
- On-board digital input (for remote reset)
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

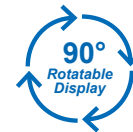
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEx[™]
MAX



Explosion-proof. Complete product approved.



PD8-6210 ProtEX-MAX Analog Input Batch Controller

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Isolated 24 VDC @ 25 mA transmitter power supply
- Start, batch, pause, & stop with front panel buttons
- Display batch total + rate, grand total, batch count or preset
- Single or multi-stage batching
- Automatic overrun correction
- Manual control or automatic batching
- On-board digital input (for remote reset)
- SafeTouch® through-glass button programming

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

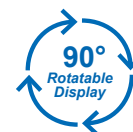
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEx[™]
MAX



Explosion-proof. Complete product approved.



PD8-6262 ProtEX-MAX Dual Analog Input Flow Rate/Totalizer

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Dual 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V); Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Display two flow inputs simultaneously
- Display rate & total simultaneously
- Math functions capabilities
- Isolated 24 VDC @ 25 mA transmitter power supply
- Count up or down, total & grand total
- Open channel flow with programmable exponent
- Total, grand total, or non-resetable grand total
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

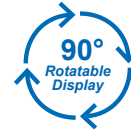
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEX[™]
MAX



Explosion-proof. Complete product approved.



PD8-6300 ProtEX-MAX Pulse Input Flow Rate/Totalizer

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave; Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- 5, 10, or 24 V flowmeter power supply
- Displays rate and total simultaneously
- Count up or down, total & grand total
- Gate function for rate display of slow pulse rates
- K-Factor, internal scaling, or external calibration
- Total, grand total, or non-resetable grand total
- On-board digital input (for remote reset)
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

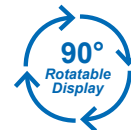
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEX[™]
MAX



Explosion-proof. Complete product approved.



PD8-6310 ProtEX-MAX Pulse Input Batch Controller

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave, Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- 5, 10, or 24 VDC flowmeter power supply
- K-Factor, internal scaling, or external calibration
- Start, batch, pause, & stop with front panel buttons
- Display batch total + rate, grand total, batch count or preset
- Single or multi-stage batching
- Automatic overrun correction
- Manual control or automatic batching
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

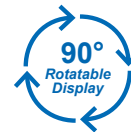
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEX[™]
MAX



Explosion-proof. Complete product approved.



PD8-6310-WM ProtEX-MAX Weights & Measures Batch Controller

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave, Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- NTEP® Certified weighing and measuring device
- Mechanical programming lockout
- Start, batch, pause, & stop buttons
- Display batch total + rate, grand total, batch count or preset
- Single or multi-stage batching
- Automatic overrun correction
- Manual control or automatic batching
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

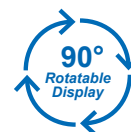
- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



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MAX



Explosion-proof. Complete product approved.



PD8-6363 ProtEX-MAX Dual Pulse Input Flow Rate/Totalizer

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Dual Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave, Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -40 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- Displays two inputs simultaneously
- Displays rate and total simultaneously
- Math functions capabilities
- 5, 10, or 24 V flowmeter power supply
- Count up or down, total & grand total
- Gate function for rate display of slow pulse rates
- K-Factor, internal scaling, or external calibration
- Total, GT, or non-resetable grand total
- SafeTouch® through-glass buttons

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEX™
MAX

FM
APPROVED

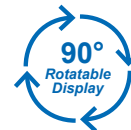
SP

Ex

IEC Ex

CE

Explosion-proof. Complete product approved.



PD8-7000 ProtEX-MAX Temperature Meter

IMPROVED

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Thermocouple J, K, T, E, R, S, B, N, C; RTD 100 Ω Pt, 10 Ω Cu, 120 Ω Ni, 1,000 Ω Pt; Modbus PV (slave) |
| Display | Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm) |
| Enclosure | Smooth die-cast aluminum explosion-proof; NEMA 4X, 7, 9/IP68 |
| Power | 85-265 VAC or 12-24 VDC option |
| Operating Temp | -20 to 65°C |

FEATURES

- **NEW** brighter SunBright display
- 1° or 0.1° resolution
- Displays up to 3300°F
- Averages up to 10 RTD sensors
- Automatic cold junction compensation

PROGRAMMING SOFTWARE

- **NEW** on-board USB & MeterView® Pro programming software

OPTIONS

- 4-20 mA output with isolated 24 VDC power supply
- 2 or 4 form C relays



ProtEX™
MAX

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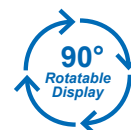
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Ex

IEC Ex

CE

Explosion-proof. Complete product approved.



PDW30 Point to Point Wireless Bridge

NEW



**PRECISION
DIGITAL
WIRELESS**



Configure a system at
www.predig.com/wireless

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | 4-20 mA, 0-10 V, 0-5 V, 1-5 V; 4 digital I/O; RS-485 Modbus® |
| Range | 1 mile outdoor line-of-sight, 500 ft indoors |
| Display | 32-character dual-line dot matrix LCD display |
| Enclosure | Smooth die-cast aluminum, NEMA 4X/IP66 |
| Power | 12-28 VDC |
| Operating Temp | -40 to 75°C |

FEATURES

- Signal wire replacement in a rugged, industrial housing
- Inputs and outputs on both field units
- 1 mile line-of-sight, 500 ft indoor range
- 4-20 mA, digital, and RS-485 Modbus® communications outputs
- Remote or attached antenna
- Flanges for wall or pipe mounting
- Backlight standard
- On-board USB

PROGRAMMING SOFTWARE

- PDW Manager programming software

OPTIONS

- Repeater kit with remote antenna
- Remote antennas

PDW90 Point to Multi-Point Wireless Systems

NEW

**PRECISION
DIGITAL
WIRELESS**



Configure a system at
www.predig.com/wireless

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | 4-20 mA; 0-10 V, 0-5 V, 1-5 V; 4 digital I/O; RS-485 Modbus® |
| Range | 1 mile outdoor line-of-sight, 500 ft indoors |
| Display | Field units: 32 character dual-line dot matrix LCD display |
| Enclosure | Base station: Thermoplastic Polyester, NEMA 4X Field units: Smooth die-cast aluminum, NEMA 4X/IP66 |
| Power | 24 VDC |
| Operating Temp | -40 to 65°C |

BASE STATION FEATURES

- Connect up to 32 field units
- Up to 16 expansion modules
- RS-485 Modbus Standard
- Point to multi-point signal wire replacement
- 1 mile line-of-sight, 500 ft indoor

FIELD UNITS FEATURES

- Analog input and output, four digital I/O, and RS-485 Modbus® standard
- Remote or attached antenna

PROGRAMMING SOFTWARE

- On-board USB and PDW Manager programming software

OPTIONS

- Analog input, analog output, relay output, and digital I/O cards
- Repeater kit with remote antenna
- Remote antennas

PDA10 PDW Wireless Signal Strength Survey Tool

NEW

FEATURES

- For use with PDW30 or PDW90
- 1 mile outdoor line-of-sight, 500 ft indoors range
- Includes a handheld unit and target unit
- Great for testing signal strength at desired installation

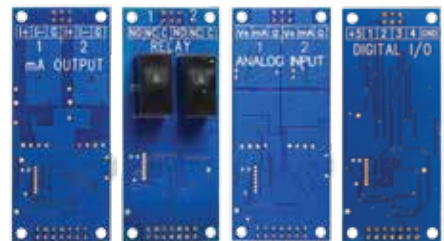


PDW90 Expansion Modules

NEW

EXPANSION MODULES

- PDA90-CA:** Dual analog input base station module
PDA90-CD: Four digital I/O base station module
PDA90-CR: Dual relay output base station module
PDA90-CT: Dual analog output base station module



Repeaters

NEW

WIRELESS REPEATERS

PDW30-RNA: Repeater for PDW30 & PDW90 systems. Increases range an additional 1 mile line-of-sight, 500 ft indoors



Antennae & Cables

NEW

ANTENNAE

PDA3900-12-N: PDW 900 MHz Antenna, 1/2" NPT

YAGI ANTENNAE

PDA3900-6Y-N: Yagi Antenna 6dB

PDA3900-9Y-N: Yagi Antenna 9dB

CABLES

PDA3120-S: RP-SMA M/F Antenna Cable 20ft

PDA3140-S: RP-SMA M/F Antenna Cable 40ft

PDA3120-N: RP-SMA F to N Male Antenna Cable 20ft

PDA3140-N: RP-SMA F to N Male Antenna Cable 40ft

PD138 Minimax® II Temperature & Process Scanner

SPECIFICATIONS

| | |
|-----------------------|-----------------------------------|
| Input | TC, RTD, Process, AC, DC |
| Display | Eight LED indicators |
| Enclosure | 1/8 DIN NEMA 4X/IP65 front |
| Power | 115 VAC, 230 VAC, or 12-24 VDC |
| Operating Temp | -40 to 65°C |

FEATURES

- 8 inputs per unit
- Unlimited number of units per system
- Adjustable dwell time for each channel
- Independent alarm input for each channel
- First-out alarm indication
- Free custom message labels
- Built-in 85 dB horn

OPTIONS

- Current loop resistor



MINIMUX® II



PD154 Vigilante® II 4-Point Alarm Annunciator

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Switch, transistor, logic level; High Voltage AC or DC inputs with PDA1500 module |
| Display | Four red LED indicators |
| Enclosure | 1/8 DIN NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-36 VDC |
| Operating Temp | -40 to 65°C |

FEATURES

- 4-point monitoring
- All common ISA sequences
- Free custom message labels
- Built-In 85 dB horn
- Silence, acknowledge, and reset functions
- 2 SPDT relays for alarm activated devices
- Multiple-unit first-out indication
- Sunlight readable indication

ACCESSORIES

- PDA1500 high voltage AC/DC to logic level converter



Vigilante® II



PDA1500 High Voltage AC/DC to Logic Level Converter

For use with PD154 and PD158 annunciators.

It converts high voltage signals into logic level signals for use as a digital input to a wide range of process control and display equipment. For details see [page 63](#)

PD158 Vigilante® II 8-Point Alarm Annunciator

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Switch, transistor, logic level; High Voltage AC or DC inputs with PDA1500 module |
| Display | Eight red LED indicators |
| Enclosure | 1/8 DIN NEMA 4X/IP65 front |
| Power | 85-265 VAC or 12-36 VDC |
| Operating Temp | -40 to 65°C |

FEATURES

- 8-point monitoring
- All common ISA sequences
- Free custom message labels
- Built-In 85 dB horn
- Silence, acknowledge, and reset functions
- 2 SPDT relays for alarm activated devices
- Multiple-unit first-out indication
- Sunlight readable indication

ACCESSORIES

- PDA1500 high voltage AC/DC to logic level converter



Vigilante II



PDS178 Temperature Scanning System

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | J, K, E, T thermocouples, 100 Ω platinum RTD |
| Display | 4-digit + 8 LED indicators |
| Enclosure | NEMA 4X plastic |
| Power | 115 VAC |
| Operating Temp | -40 to 65°C |

FEATURES

- 8-channel temperature scanner
- Temperature indicator with 2 relays
- NEMA 4X plastic enclosure
- 8 inputs per unit
- Built-in 85 dB horn
- First-out indication
- Sunlight readable indication
- Free custom message labels

OPTIONS

- PDS178: 0.56" (14.2 mm) display
- PDS178X2: 1.2" (30.5 mm) display



PDA1500 High Voltage AC/DC to Logic Level Converter

For use with PD154 and PD158 annunciators.

It converts high voltage signals into logic level signals for use as a digital input to a wide range of process control and display equipment. For details see [page 63](#)

PD940 ConsoliDator 4 Four-Channel Controller (Wall)

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Analog: four 4-20 mA inputs; Pulse: four 100 mVp-p to 15 Vp-p, 1 Hz to 10 kHz |
| Display | 4.75" x 3.50" (121 mm x 89 mm), 6-digit |
| Enclosure | NEMA 1, powder-coated steel |
| Power | 90-264 VAC or 8-30 VDC |
| Mounting | Wall |
| Operating Temp | 0 to 50°C |

FEATURES

- Sunlight readable display
- Four pulse and four digital inputs
- Nine 10 A relays
- Process/rate & total display
- 32-point linearization
- RS-232 Modbus RTU
- Direct Modbus PV inputs



PD941 ConsoliDator 4 Four-Channel Controller (Panel)

SPECIFICATIONS

| | |
|-----------------------|---|
| Input | Analog: four 4-20 mA inputs; Pulse: four 100 mVp-p to 15 Vp-p, 1 Hz to 10 kHz |
| Display | 4.75" x 3.50" (121 mm x 89 mm), 6-digit |
| Enclosure | NEMA 1, powder-coated steel |
| Power | 90-264 VAC or 8-30 VDC |
| Mounting | Panel |
| Operating Temp | 0 to 50°C |

FEATURES

- Sunlight readable display
- Four pulse and four digital inputs
- Nine 10 A relays
- Process/rate & total display
- 32-point linearization
- RS-232 Modbus RTU
- Direct Modbus PV inputs



PD980 ConsoliDator 8 Eight-Channel Controller (Wall)

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Analog: eight 4-20 mA inputs; Pulse: four 100 mVp-p to 15 Vp-p, 1 Hz to 10 kHz |
| Display | 4.75" x 3.50" (121 mm x 89 mm), 6-digit |
| Enclosure | NEMA 1, powder-coated steel |
| Power | 90-264 VAC or 8-30 VDC |
| Mounting | Wall |
| Operating Temp | 0 to 50°C |

FEATURES

- Sunlight readable display
- Four pulse and four digital inputs
- Nine 10 A relays
- Process/rate & total display
- 32-point linearization
- RS-232 Modbus RTU
- Direct Modbus PV inputs



PD981 ConsoliDator 8 Eight-Channel Controller (Panel)

SPECIFICATIONS

| | |
|-----------------------|--|
| Input | Analog: eight 4-20 mA inputs; Pulse: four 100 mVp-p to 15 Vp-p, 1 Hz to 10 kHz |
| Display | 4.75" x 3.50" (121 mm x 89 mm), 6-digit |
| Enclosure | NEMA 1, powder-coated steel |
| Power | 90-264 VAC or 8-30 VDC |
| Mounting | Panel |
| Operating Temp | 0 to 50°C |

FEATURES

- Sunlight readable display
- Four pulse and four digital inputs
- Nine 10 A relays
- Process/rate & total display
- 32-point linearization
- RS-232 Modbus RTU
- Direct Modbus PV inputs



PD540 Nova Series Digital PID Controllers

SPECIFICATIONS

| | |
|-----------------------|---------------------------------|
| Input | Universal process & temperature |
| Display | Dual, 4-digit |
| Enclosure | 1/16, 3/16, 1/8, and 1/4 DIN |
| Power | 100-240 VAC |
| Operating Temp | 10 to 50°C |



FEATURES

- Auto-tuning PID
- Easy & quick set point changes
- Relay & analog outputs standard
- High accuracy
- IP55 & IP65 fronts
- Free operating & data logging software

OPTIONS

- Digital inputs
- Heating and cooling
- RS-485 serial communications

NOVA CE C  US



NOVA Virtual Meter
novavirtualmeter.com

PD550 Nova Series Ramp & Soak Controllers

SPECIFICATIONS

| | |
|-----------------------|---------------------------------|
| Input | Universal process & temperature |
| Display | Dual, 4-digit |
| Enclosure | 1/16, 3/16, 1/8, and 1/4 DIN |
| Power | 100-240 VAC |
| Operating Temp | 10 to 50°C |



FEATURES

- Two 15-segment ramp & soak programs
- Relay & analog outputs standard
- High accuracy
- IP55 & IP65 fronts
- Free operating & data logging software

OPTIONS

- Digital inputs or digital outputs
- RS-485 serial communications

NOVA CE C  US

PD560 Nova Series Digital Meters

SPECIFICATIONS

| | |
|-----------------------|---------------------------------|
| Input | Universal process & temperature |
| Display | Dual, 4-digit |
| Enclosure | 1/8 and 1/4 DIN |
| Power | 100-240 VAC |
| Operating Temp | 10 to 50°C |



FEATURES

- Relay & analog outputs standard
- High accuracy
- IP55 & IP65 fronts
- Free operating & data logging software

OPTIONS

- Digital inputs
- RS-485 serial communications

NOVA CE c 

PD570 Nova Series Limit Controllers

SPECIFICATIONS

| | |
|-----------------------|---------------------------------|
| Input | Universal process & temperature |
| Display | Dual, 4-digit |
| Enclosure | 1/16 and 1/4 DIN |
| Power | 100-240 VAC |
| Operating Temp | 10 to 50°C |



FEATURES

- Latching limit relay
- Relay & analog outputs standard
- High accuracy
- IP55 & IP65 fronts
- Free operating & data logging software

OPTIONS

- RS-485 serial communications

NOVA CE c 

PDA2300 Economical Plastic NEMA 4X Enclosures



SPECIFICATIONS

Material Thermoplastic polyester
Color Gray
Ratings NEMA 4X, UL, C-UL

FEATURES

- House up to 10 meters
- Horizontal or vertical cutouts
- Hinged door

PDA2500 Rugged Plastic NEMA 4X Enclosures



SPECIFICATIONS

Material Thermoplastic polyester
Color Gray
Ratings NEMA 4X, UL, C-UL

FEATURES

- House up to 10 meters
- Horizontal or vertical cutouts
- NEMA 1, 3, 3S, 4, 4X, and 12
- Hinged door

PDA2600 Stainless Steel NEMA 4X Enclosures



SPECIFICATIONS

Material PDA2601: 16-gauge, type 304 SS. PDA2602-2606: 14-gauge, type 304 SS
Color Stainless steel
Ratings UL 50 type 4; NEMA 4; CSA type 4; IP66

FEATURES

- House up to 6 meters
- Horizontal or vertical cutouts
- 16-gauge, type 304 stainless steel
- 14-gauge, type 304 stainless steel
- NEMA 4, 4X, 12, and 13
- Hinged door

PDA2700 Steel NEMA 4 Enclosures



SPECIFICATIONS

Material PDA2701: 16-gauge steel. PDA2702-2706: 14-gauge steel
Color Painted steel
Ratings UL 50 type 4; NEMA 4; CSA type 4; IP66

FEATURES

- House up to 6 meters
- Horizontal or vertical cutouts
- 16-gauge, Type 304 steel
- 14-gauge, Type 304 steel
- NEMA 4, 12, and 13
- Hinged door



Need help selecting an enclosure? Go to www.predig.com/esu
 The Enclosure Selection Utility finds the right enclosure for your meters and application.

PDA2800 Low-Cost Plastic NEMA 4X Enclosures



SPECIFICATIONS

| | |
|-----------------|-------------------------|
| Material | Thermoplastic polyester |
| Color | Gray |
| Ratings | NEMA 4X |

FEATURES

- House up to 2 meters
- 1/2" conduit hole on PDA2801 and PDA2811

PDA2900 Plastic NEMA 4X Enclosures for ConsoliDator Series



SPECIFICATIONS

| | |
|-----------------|---|
| Material | Enclosure & cover: polycarbonate Front panel: painted aluminum Cover latches: stainless steel |
| Color | Enclosure: light gray Cover: transparent Front panel: blue |
| Ratings | Type 1, 2, 3, 3R, 4, 4X, 12, & 12K. UL & C-UL listed enclosure |

FEATURES

- House up to 1 PD941 or PD981
- Hinged clear cover
- Hinged front mounting panel
- Fuse holder and power switch

ACCESSORIES

- Sub-panels
- Mounting kit

PDA3400 Plastic NEMA 4X Enclosures



SPECIFICATIONS

| | |
|-----------------|--|
| Material | Thermoplastic with clear polycarbonate cover |
| Color | Enclosure: light gray; Cover: transparent |
| Ratings | UL (USA & Canada), NEMA 4X |

FEATURES

- Meter mounted inside cover
- Mounting brackets
- One to three meters
- NEMA 4X
- UL Listed



Need help selecting an enclosure? Go to www.predig.com/esu
The Enclosure Selection Utility finds the right enclosure for your meters and application.

MeterView® EX Software For PD6830 & PD6730

SPECIFICATIONS

| | |
|----------------------|---|
| System Req. | Windows® XP, Vista, 7, 8, 10 |
| Comm. | RS-485 adapter or direct USB adapter from PD6830 / PD6730. |
| Meter Address | 1 - 247 |
| Baud Rate | 1,200 - 115,200 bps, selection must match the baud rate selected in the meter |
| Configure | One meter at a time |
| Reports | Data logging: Save as CSV file format Configuration: Save as MVE file or print configuration |
| Protocol | Modbus RTU |



FEATURES

Communicate from a PC to

- Configure the meter
- Monitor present trends
- Log to as large of a file as needed

REQUIRED ADAPTER

- **PDA8068** USB serial adapter for programming only
- **PDA8485** USB to RS-485 converter

MeterView® Pro Software For PROVu®, ProtEX-MAX, and Helios Series

SPECIFICATIONS

| | |
|----------------------|--|
| System Req. | Windows® 2000, XP, Vista, 7, 8, 10 |
| Comm. | One meter at a time: USB, RS-232, or RS-485 |
| Meter Address | 1 - 247 |
| Baud Rate | 300 - 19,200 bps |
| Reports | Data logging: Save as CSV file format Configuration: Save as PDC file format or print configuration |
| Protocol | Modbus RTU (requires PROVu® firmware version 2.0 or higher) |

FEATURES

- Configure the meter
- Monitor present trends
- Log to as large of a file as needed
- On-board most PROVu®, Helios, and ProtEX-MAX meters
- No need for downloading drivers



REQUIRED ADAPTER

- Free USB cable included with meter for programming only
- **PDA1485** RS-485 serial adapter & **PDA8485** USB to RS-485 converter
- **PDA1232** RS-232 serial adapter

MeterView® Software For Trident Series

SPECIFICATIONS

| | |
|----------------------|---|
| System Req. | Windows® XP (SP3), Vista, 7, 8, 10 |
| Comm. | USB, RS-232, or RS-485 Adapter |
| Meter Address | 00 - 99 |
| Baud Rate | 300 - 19,200 bps |
| Configure | One meter at a time |
| Reports | Data logging: Save as HTML file format Configuration: Save as plain text, export to HTML, or print configuration |

FEATURES

- Monitor up to 100 meters
- Program or read meter settings
- Save meter profiles for cloning
- Use profiles for reporting



REQUIRED ADAPTER

- **PDA8006** Trident USB serial adapter for programming only
- **PDA7422** RS-485 serial adapter & **PDA8485** USB to RS-485 converter
- **PDA7232** Trident RS-232 serial adapter

ScanView EX Software For PD6830X & PD6730X

SPECIFICATIONS

| | |
|------------------------|---------------------------------------|
| System Req. | Windows® 2000, XP, Vista, 7, 8, 10 |
| Comm. | USB, RS-232, or RS-485 adapter |
| Scanner Address | 1 - 247 |
| Reports | Data logging: Save as CSV file format |
| Baud Rate | 1,200 - 115,200 bps |
| Configure | One scanner at a time |
| Protocol | Modbus RTU |

FEATURES

- Communicate from a PC to
- Manage scanner settings
- Download data logs
- Set up K-factor, scaling, tag, units & more



REQUIRED ADAPTER

- **PDA8068** USB serial adapter for programming only
- **PDA8485** USB to RS-485 converter for meters with serial communications

ScanView Software For PROVu®, ProtEX-MAX, and Helios Modbus Scanners

SPECIFICATIONS

| | |
|----------------------|--|
| System Req. | Windows® 2000, XP, Vista, 7, 8, 10 |
| Comm. | RS-232, or RS-485 Adapter |
| Meter Address | 1 - 247 |
| PV Slave ID | 1-247, 256-259 for on-board current & voltage inputs |
| Reports | Data logging: Save as CSV file format Configuration: Save as MVP file format or print configuration |
| Baud Rate | 300 - 19,200 bps |
| Configure | One meter at a time |
| Protocol | Modbus RTU |



FEATURES

- Use in Modbus master, slave, or snoop mode
- Scan up to 16 Modbus process variables
- Easily configure Modbus Scanners
- Data log all PVs to a PC
- On-board all PROVu®, Helios, and ProtEX-MAX Modbus® scanners

REQUIRED ADAPTER

- Free USB cable included with meter for programming only
- **PDA1485** RS-485 serial adapter (PD6080/6081) & **PDA8485** USB to RS-485 converter

PDW Manager Software For PDW30 and PDW90 Wireless Systems

SPECIFICATIONS

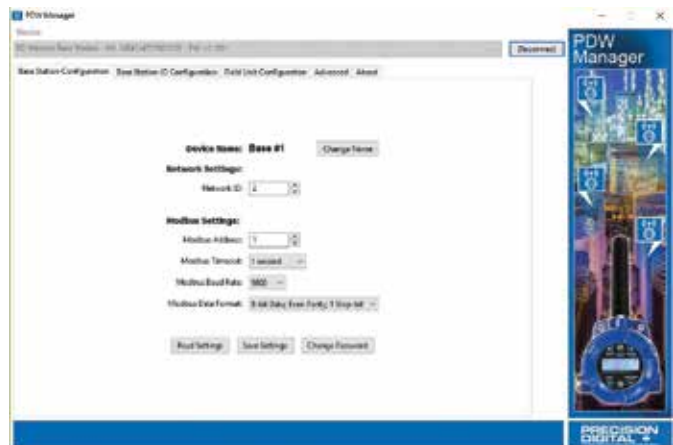
| | |
|--------------------|---|
| System Req. | Windows® XP, Vista, 7, 8, 10 |
| Comm. | USB 2.0 (Standard USB A to Micro USB B) |
| Config. | Configure devices one at a time |

FEATURES

- Program base stations from PC
- Program field units from a PC

REQUIRED CABLE

- Free USB cable included with units for programming only



PDA1500 High VAC/VDC to Logic Level Converter

SPECIFICATIONS

| | |
|-----------------|-------------------------------------|
| Modes | Straight conversion or series break |
| Mounting | DIN Rail |
| Channels | 4 |
| Inputs | 85-130 or 185-265 VAC/VDC |
| Outputs | TTL compatible logic (+5 V) |
| Power | 12-24 VDC |

FEATURES

- Combine with the Vigilante® II annunciator to monitor high voltages
- Four high voltage inputs - up to 265 VAC or VDC
- Four 5 VDC digital outputs
- Easy DIN rail mounting
- Simple two-button setup
- Cascade mode for series break configurations
- Multi-unit cascade mode



PROVu® Accessories



Required Cable
Included

EXPANSION MODULES

- PDA1004:** 4-relay module
PDA1011*: Dual 4-20 mA output module
PDA1044: 4 digital I/O module

* For use with PD2-6060, PD2-6080, PD2-6081, PD2-6088, PD2-6089, PD2-6262, PD2-6363, PD2-6400 PD6060, PD6080, PD6081, PD6088, PD6089, PD6262, PD6363, and PD6400 only.

SERIAL ADAPTERS

- PDA1232:** RS-232 serial adapter
PDA1485: RS-485 serial adapter

ADDITIONAL ACCESSORIES

- PDA1002:** DIN-rail mounting kit

Tags



STAINLESS STEEL

- PDA-SSTAG:** Stainless Steel Tag
 Order at www.predig.com/pda-sstag

Trident Accessories



Required Cable
Included

SERIAL ADAPTERS

- PDA7232:** RS-232 serial adapter
PDA7422: RS-485 serial adapter
PDA8006: USB serial adapter

ADDITIONAL ACCESSORIES

- PDA7420:** Meter copy cable

Helios Accessories



PLUGS

- PDAPLUG2:** Plastic Conduit Plug

MOUNTING KIT

- PDA6260:** Pipe Mounting Kit Zinc Plated Steel

Serial Converters



Required Cable
Included

RS-232 TO RS-485

- PDA7485-I:** converter, isolated
PDA7485-N: converter, non-isolated

USB TO RS-232

- PDA8232-N:** converter, non-isolated

USB TO RS-485

- PDA8485-I:** converter, isolated
PDA8485-N: converter, non-isolated

PDA8068 Adapter



USE WITH METEVIEW EX & SCANVIEW EX

- PDA8068:** USB serial adapter for PD6730, PD6730X, PD6830, & PD6830X (Required cable included)

Note: Used for configuration only

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