

Precision Digital

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2015-2016 CATALOG



Peterson Instruments



flow



level



temperature



pressure

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flow



level



temperature



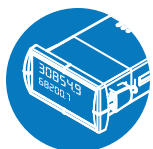
pressure

INTELLIGENT MONITORING & CONTROL

Our expertise is built on 40+ years of engineering experience powered by modern technology, smart design, and responsiveness to customers' demands. This allows our brand to provide intelligent monitoring and control solutions to critical processes worldwide.

PRECISION DIGITAL 

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No Matter the Application, PROVu[®] Has the Solution



Not an average panel meter

www.predig.com/provu

What's New

PD8-6001 & PD6001

PRO VU® analog input
feet & inches level meter



FEET & INCHES

PD6400

PRO VU® high voltage &
high current meter



HIGH VOLTAGE &
CURRENT

PD6700-0L1 & PD6800-0L1

Level meters with bargraph and
open collector output



LEVEL METERS

Weights & Measures Batch Controllers

NTEP® certified pulse input batch
controllers approved as weighing
and measuring devices



BATCH CONTROL
WEIGHTS & MEASURES

Modbus Scanners

Explosion-proof and 1/8 DIN
panel-mount modbus input
scanners



MODBUS SCANNERS

PDA3400 Plastic Enclosures

NEMA 4X plastic enclosures
provide a high degree of
protection in harsh environments



ENCLOSURES

Online Tools

Chat with us, check product availability 24/7 online, watch Trident tutorial videos, test drive the Trident with the Virtual Meter on your desktop or mobile device, and attend training webinars.



PD603 Sabre P Process Meter

Sabre Series

PROCESS

Quick Overview

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

Features

- Maximum/minimum display
- Scale without a signal source
- Calibrate with a signal source
- Easy front panel programming
- Shallow depth enclosure 3.6" behind panel

Options

- 24 VDC transmitter power supply



PD644 Javelin D High-Voltage DC Meter

HIGH VOLTAGE

Quick Overview

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

Options

- 2 form C relays
- 24 VDC transmitter supply

Features

- Maximum/minimum display
- RS-485 serial communications
- 4-20 mA output
- Modbus® RTU
- Shallow depth enclosure 3.6" behind panel



PD743 Sabre T Temperature Meter

Sabre Series

TEMPERATURE

Quick Overview

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

Features

- 1° or 0.1° resolution with RTD
- Maximum/minimum display
- Pre-calibrated for all input types
- Easy front panel programming
- Shallow depth enclosure 3.2" behind panel



PD865 Snooper Modbus® Serial Input Meter

Snooper

MODBUS INPUT

Quick Overview

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

Options

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

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 process variables
- Shallow depth enclosure 3.4" behind panel



PD765 X2 Trident X2 Process & Temperature Meter

PROCESS & TEMP

Quick Overview

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)
Case: 1/8 DIN, NEMA 4X/IP65
Power: 85-265 VAC or 12-36 VDC option
Operating Temperature: 0 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 or proprietary ASCII protocol
- Shallow depth case 3.6" behind panel

Free Software Available

MeterView: Program, monitor, and datalog up to 100 meters from PC. *Requires serial communication adapter.*



Options

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

PD765 Trident Process & Temperature Meter

PROCESS & TEMP



Quick Overview

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)
Case: 1/8 DIN, NEMA 4X/IP65
Power: 85-265 VAC or 12-36 VDC option
Operating Temperature: 0 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 or proprietary ASCII protocol
- Shallow depth case 3.6" behind panel

Free Software Available

MeterView: Program, monitor, and datalog up to 100 meters from PC. *Requires serial communication adapter.*

Options

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

PD6000 PRO VU® Process Meter

PROCESS

Quick Overview

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)
Case: 1/8 DIN, NEMA 4X/IP65
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- Dual-scale for level applications - single input
- Signal input conditioning for flow & round horizontal tanks
- 32-point, square root, or exponential linearization
- Multi-pump alternation control
- On-board digital input
- Programmable function keys
- Isolated 24 VDC @ 200 mA transmitter power supply
- Modbus® RTU communication protocol

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. Requires serial communication adapter.



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Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD6001 PRO VU® Feet & Inches Level Meter

FEET & INCHES



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Quick Overview

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
Case: 1/8 DIN, NEMA 4X/IP65
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- Dual-scale for level applications - single input
- Signal input conditioning for flow & round horizontal tanks
- 32-point or exponential linearization
- Multi-pump alternation control
- On-board digital input
- Programmable function keys
- Isolated 24 VDC @ 200 mA transmitter power supply
- Modbus® RTU communication protocol

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. Requires serial communication adapter.

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD6060 PRO VU® Dual-Input Process Meter

**DUAL-INPUT
PROCESS**

Quick Overview

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)

Case: 1/8 DIN, NEMA 4X/IP65

Power: 85-265 VAC or 12/24 VDC option

Operating Temperature: -40 to 65°C

Features

- Addition, difference, absolute difference, average, multiplication, division, min of A or B, max of A or B, draw, weighted average, and ratio math functions
- Signal input conditioning for flow & round horizontal tanks
- On-board digital input
- Programmable function keys
- Isolated 24 VDC @ 200 mA transmitter power supply
- Modbus® RTU communication protocol

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. *Requires serial communication adapter.*

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Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA out modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD6080 PRO VU® Super Snooper Modbus Scanner

MODBUS SCANNERP R **OV U**®
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Quick Overview

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)

Case: 1/8 DIN, NEMA 4X/IP65

Power: 85-265 VAC or 12/24 VDC option

Operating Temperature: -40 to 65°C

Features

- Master, slave, or snooper mode
- Scan up to 16 PVs
- Includes PDA1485 RS-485 communications module
- 4-20 mA analog output option (up to three)
- On-board digital input
- Programmable function keys
- Isolated 24 VDC @ 200 mA transmitter power supply
- Modbus® RTU communication protocol
- SunBright display standard

Free Software Available

ScanView: Configure, monitor, and datalog from a PC. *Requires serial communication adapter.*

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA out modules
- USB & RS-232 serial communications

PD6081 PRO VU® Feet & Inches Super Snooper Modbus Scanner

FEET & INCHES
MODBUS SCANNER

Quick Overview

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**Case:** 1/8 DIN, NEMA 4X/IP65**Power:** 85-265 VAC or 12/24 VDC option**Operating Temperature:** -40 to 65°C

Features

- Master, slave, or snooper mode
- Scan up to 16 PVs
- Includes PDA1485 RS-485 communications module
- 4-20 mA analog output option (up to three)
- On-board digital input
- Programmable function keys
- Isolated 24 VDC @ 200 mA transmitter power supply
- Modbus® RTU communication protocol
- SunBright display standard

Free Software Available

ScanView: Configure, monitor, and datalog from a P.C.
Requires serial communication adapter.P R **OV U**®
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Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA out modules
- USB & RS-232 serial communications

PD6088 PRO VU® Super Snooper Modbus Scanner

MODBUS SCANNERP R **OV U**®
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Quick Overview

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

Features

- Master, slave, or snooper mode
- Scan up to 16 PVs
- 4-20 mA analog output option (up to three)
- On-board digital input
- Programmable function keys
- Isolated 24 VDC @ 200 mA transmitter power supply
- On-board RS-485 Modbus® RTU communications
- SunBright display standard

Free Software Available

ScanView: Configure, monitor, and datalog from a P.C.
Requires serial communication adapter.

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA out modules
- USB serial communications

PD6089 PRO VU® Feet & Inches Super Snooper Modbus Scanner

FEET & INCHES
MODBUS SCANNER

Quick Overview

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

Features

- Master, slave, or snooper mode
- Scan up to 16 PVs
- 4-20 mA analog output option (up to three)
- On-board digital input
- Programmable function keys
- Isolated 24 VDC @ 200 mA transmitter power supply
- On-board RS-485 Modbus® RTU communications
- SunBright display standard

Free Software Available

ScanView: Configure, monitor, and datalog from a P.C.
Requires serial communication adapter.P R **OV U**®
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Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA out modules
- USB serial communications

PD6100 PRO VU® Strain Gauge Meter

STRAIN GAUGEP R **OV U**®
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Quick Overview

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)
Case: 1/8 DIN, NEMA 4X/IP65**Power:** 85-265 VAC or 12/24 VDC option**Operating Temperature:** -40 to 65°C

Features

- Selectable 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
- Ratiometric operation
- Dual-scale feature - single input
- Rounding function 1, 2, 5, 10, 20, 50, or 100
- Auto-zero feature eliminates zero drift
- Isolated 24 VDC @ 200 mA transmitter power supply
- On-board digital input
- Modbus® RTU communication protocol

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a P.C. *Requires serial communication adapter.*

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD6200 PRO VU® Analog Input Flow Rate/Totalizer

FLOW RATE/TOTAL

Quick Overview

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)
Case: 1/8 DIN, NEMA 4X/IP65
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- Displays rate and total simultaneously
- Count up or down, total & grand total
- Open channel flow with programmable exponent
- Square root extraction
- 32-point linearization with free software
- Total, grand total, or non-resettable grand total
- Isolated 24 VDC @ 200 mA transmitter power supply
- On-board digital input
- Modbus® RTU communication protocol

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. *Requires serial communication adapter.*



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Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD6210 PRO VU® Analog Input Batch Controller

BATCH CONTROL



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Quick Overview

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)
Case: 1/8 DIN, NEMA 4X/IP65
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- 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 overflow correction
- Manual control or automatic batching
- Count up or down, total & grand total
- On-board digital input
- Modbus® RTU communication protocol

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. *Requires serial communication adapter.*

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD6262 PRO Vu® Analog Dual-Input Rate/Totalizer

DUAL-INPUT
RATE / TOTALIZER

Quick Overview

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)

Case: 1/8 DIN, NEMA 4X/IP65

Power: 85-265 VAC or 12/24 VDC option

Operating Temperature: -40 to 65°C

Features

- Display rate, total, or grand total for either channel, or math
- Math functions based on rate, total, or grand total
- Addition, difference, absolute difference, average, multiplication, division, min of A or B, max of A or B, draw, weighted average, ratio, and concentration math functions
- Count up or down, total & grand total
- 5, 10 or 24 VDC isolated flowmeter power supply
- On-board digital input
- Modbus® RTU communication protocol

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. Requires serial communication adapter.

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Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA out modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD6300 PRO Vu® Pulse Input Flow Rate/Totalizer

FLOW RATE/TOTALP R **OV** U®
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Quick Overview

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)

Case: 1/8 DIN, NEMA 4X/IP65

Power: 85-265 VAC or 12/24 VDC option

Operating Temperature: -40 to 65°C

Features

- Displays rate and total simultaneously
- Count up or down, total & grand total
- 5, 10, or 24 VDC flowmeter power supply
- Gate function for rate display of slow pulse rates
- K-Factor, internal scaling, or external calibration
- Can convert pulse input to an isolated 4-20 mA output
- Isolated 24 VDC @ 200 mA transmitter power supply
- On-board digital input

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. Requires serial communication adapter.

PD6310 PRO VU® Pulse Input Batch Controller

BATCH CONTROL

Quick Overview

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)
Case: 1/8 DIN, NEMA 4X/IP65
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- 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 overflow correction
- Manual control or automatic batching
- Count up or down, total & grand total
- On-board digital input
- Modbus® RTU communication protocol

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. *Requires serial communication adapter.*



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Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD6310-WM PRO VU® Weights & Measures Batch Controller

BATCH CONTROL
WEIGHTS & MEASURES

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Quick Overview

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)
Case: 1/8 DIN, NEMA 4X/IP65
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- NTEP® Certified weighing and measuring device
- Mechanically secured programming lockout
- 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
- Count up or down, total & grand total
- Modbus® RTU communication protocol

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. *Requires serial communication adapter.*

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD6363 PRO VU® Pulse Dual-Input Rate/Totalizer

DUAL-INPUT
RATE / TOTALIZER

Quick Overview

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)
Case: 1/8 DIN, NEMA 4X/IP65
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- Quadrature inputs
- Display rate, total, or grand total for either channel, or math
- Math functions based on rate, total, or grand total
- Addition, difference, absolute difference, average, multiplication, division, min of A or B, max of A or B, draw, weighted average, ratio, and concentration math functions
- Count up or down, total & grand total
- Count up or down based on digital input
- Count up or down based on second input
- 5, 10 or 24 VDC isolated flowmeter power supply
- Convert pulse input or math result to a 4-20 mA output

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. Requires serial communication adapter.

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Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay, digital I/O, & dual 4-20 mA out modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD6400 PRO VU® High Voltage & Current Meter

HIGH VOLTAGE & CURRENTP R **OVU**®
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Quick Overview

Input: High Voltage: (Channel V) 0-300 VDC or VAC; High Current: (Channel A) 0-5 AAC or ADC; Both Switch Selectable. Modbus PV (Slave)
Display: Dual-line 6-digit: 0.60" (15 mm) & 0.46" (12 mm)
Case: 1/8 DIN, NEMA 4X/IP65
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -20 to 65°C

Features

- (1) High Voltage and (1) High Current Input
- Multiplication for Apparent Power Calculation
- Programmable function keys
- Modbus® RTU communication protocol

Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. Requires serial communication adapter.

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

PD7000

 PRO VU® Temperature Meter

TEMPERATURE

Quick Overview

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)

Case: 1/8 DIN, NEMA 4X/IP65

Power: 85-265 VAC or 12/24 VDC option

Operating Temperature: -20 to 65°C

Features

- 1° or 0.1° resolution
- Averages up to 10 RTD sensors
- Automatic cold junction compensation
- Interlock relays (force on)
- On-board digital input
- Programmable function keys
- Modbus® RTU communication protocol

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Free Software Available

MeterView Pro: Configure, monitor, and datalog from a PC. Requires serial communication adapter.

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays
- External 4-relay and digital I/O expansion modules
- USB, RS-232, & RS-485 serial communications
- SunBright display models

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All about pump control

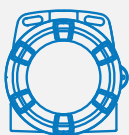
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Robust Performance

The ProtEX Series continues to deliver a robust and efficient solution to hazardous areas around the world. With a full range of standard features and functionality, the ProtEX Series performs brilliantly in demanding and diverse applications.



RUGGED
NEMA 4X / IP68
ENCLOSURE



FULLY
APPROVED
EXPLOSION-PROOF



SUNLIGHT
READABLE
DISPLAYS



4-20 mA
AND ALARM
OUTPUTS



SAFETOUCH®
THRU-WINDOW
PROGRAMMING

See What ProtEX Has to Offer
www.predig.com/protex



PD138 Minimux® II Temperature & Process Scanner

Quick Overview

Input: TC, RTD, Process, AC, DC

Display: Eight LED indicators

Case: 1/8 DIN, NEMA 4X/IP65

Power: 115 VAC, 230 VAC, 12-24 VDC

Operating Temperature: -40 to 65°C

Options

- Current loop resistor

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
- Built-in 85 dB horn

MINIMUX® II



PD154 Vigilante® II 4-Point Alarm Annunciator

Quick Overview

Input: Switch, transistor, logic level

Display: Four red LED indicators

Case: 1/8 DIN, NEMA 4X/IP65

Power: 85-265 VAC or 12-36 VDC

Operating Temperature: -40 to 65°C

Accessories

- PDA1500

Features

- 8 field selectable sequences
- 4-point monitoring
- All common ISA sequences including first-out
- Built-in 85 dB horn
- 2 SPDT relays for alarm activated devices
- Silence, acknowledge, and reset functions
- Multiple-unit first-out indication

Vigilante® II



PD158 Vigilante® II 8-Point Alarm Annunciator

Quick Overview

Input: Switch, transistor, logic level

Display: Eight red LED indicators

Case: 1/8 DIN, NEMA 4X/IP65

Power: 85-265 VAC or 12-36 VDC

Operating Temperature: -40 to 65°C

Accessories

- PDA1500

Features

- 8 field selectable sequences
- 8-point monitoring
- All common ISA sequences including first-out
- Built-in 85 dB horn
- 2 SPDT relays for alarm activated devices
- Silence, acknowledge, and reset functions
- Multiple-unit first-out indication

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 43](#)

PDS178 Temperature Scanning System

Quick Overview

Input: J, K, E, T thermocouples, 100 Ω platinum RTD

Display: 4-digit + 8 LED indicators

Case: NEMA 4X plastic

Power: 115 VAC

Operating Temperature: 0 to 65°C

Options

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

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



PD662 Survivor NEMA 4X Process Meter

PROCESS

Quick Overview

Input: 4-20 mA

Display: 3½+ digits, 0.6" (15.24 mm)

Case: NEMA 4X high impact plastic

Power: Loop-powered

Operating Temperature: -40 to 75°C
(-55 to 75°C with heater option)

Features

- 1.7 V drop (3.7 V with backlight)
- Maximum/minimum display
- Easy four-button programming
- ½" NPT conduit hole
- HART protocol transparent
- Multipoint linearization and square root function

Options

- Heater
- Loop-powered backlight



Survivor



PD683 Loop Leader® Process Meter

PROCESS



Loop Leader
Series



Quick Overview

Input: 4-20 mA

Display: 5-digit, 0.6" (15.2 mm)

Case: 1/8 DIN, NEMA 4X/IP65

Power: Loop-powered

Operating Temperature: -30 to 65°C

Features

- 2.0 V drop (5.7 V drop with backlight)
- Loop-powered backlight standard
- Custom engineering units
- Maximum/minimum display
- Linear, square root or programmable exponent
- Bargraph display and trend arrow
- Shallow depth enclosure 3.2" behind panel

PD684 Loop Leader® Rate/Totalizer

FLOW RATE/TOTAL

Quick Overview

Input: 4-20 mA
Display: 5-digit, 0.6" (15.2 mm)
Case: 1/8 DIN, NEMA 4X/IP65
Power: Loop-powered
Operating Temperature: -20 to 65°C

Features

- 2.0 V drop (5.7 V drop with backlight)
- Loop-powered backlight standard
- Custom engineering units
- Maximum/minimum display
- Linear, square root or programmable exponent
- Bargraph display and trend arrow
- Programmable alternating rate/total display
- Open collector alarm or pulse output
- Shallow depth enclosure 3.2" behind panel



Loop Leader®
Series



PD685 NEMA 4X Process Meter

PROCESS

Quick Overview

Input: 4-20 mA
Display: 3½ digits, 1.0" (25.4 mm)
Case: NEMA 4X high impact plastic
Power: Loop-powered
Operating Temperature: -40 to 85°C

Features

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



Options

- ½" conduit hole (rear, top, or none)

PD686 NEMA 4X Process Meter

PROCESS



Quick Overview

Input: 4-20 mA
Display: 3½ digits, 1.0" (25.4 mm)
Case: NEMA 4X high impact plastic
Power: Loop-powered
Operating Temperature: -40 to 85°C

Options

- ½" conduit hole (rear, top, or none)

Features

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

PD688 Loop Leader® Process Meter

PROCESS

Quick Overview

Input: 4-20 mA
Display: 5-digit, 0.6" (15.2 mm)
Case: 1/8 DIN, NEMA 4X/IP65
Power: Loop-powered
Operating Temperature: -30 to 65°C

Features

- 2.0 V drop (5.7 V drop with backlight)
- Loop-powered backlight standard
- Custom engineering units
- Maximum/minimum display
- Linear, square root or programmable exponent
- Bargraph display and trend arrow
- Shallow depth enclosure 3.2" behind panel



PD689 Loop Leader® Rate/Totalizer

FLOW RATE/TOTAL



Quick Overview

Input: 4-20 mA
Display: 5-digit, 0.6" (15.2 mm)
Case: 1/8 DIN, NEMA 4X/IP65
Power: Loop-powered
Operating Temperature: -20 to 65°C

Features

- 2.0 V drop (5.7 V drop with backlight)
- Loop-powered backlight standard
- Custom engineering units
- Maximum/minimum display
- Linear, square root or programmable exponent
- Bargraph display and trend arrow
- Programmable alternating rate/total display
- Open collector alarm or pulse output
- Shallow depth enclosure 3.2" behind panel

PD6700-0L1 Vantageview Level Meter

LEVEL METER

Quick Overview

Input: 4-20 mA

Display: 5-digit upper display 0.7" (17.8 mm);
7 alphanumeric character lower display 0.4" (10.2 mm)

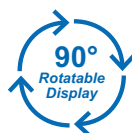
Case: Plastic NEMA 4X field mount

Power: Loop-powered

Operating Temperature: -40 to 75°C

Features

- Level indication bargraph
- Open collector Hi or Lo alarm
- SafeTouch® through-window button programming
- Alphanumeric tag names
- 3.0 V drop (6.0 V drop with backlight)
- Flanges for wall or pipe mounting
- Backlight standard
- Loop-powered
- Password protection
- 32-point, square root, or exponential linearization



 vantageview



PD6700 Vantageview Process Meter

PROCESS

Quick Overview

Input: 4-20 mA

Display: 5-digit upper display 0.7" (17.8 mm);
7 alphanumeric character lower display 0.4" (10.2 mm)

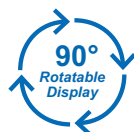
Case: Plastic NEMA 4X field mount

Power: Loop-powered

Operating Temperature: -40 to 75°C

Features

- SafeTouch® through-window button programming
- Alphanumeric tag names
- 3.0 V drop (6.0 V drop with backlight)
- Flanges for wall or pipe mounting
- Backlight standard
- Loop-powered
- Password protection
- 32-point, square root, or exponential linearization



 vantageview



PD6701 Vantageview Feet & Inches Level Meter

FEET & INCHES
ANALOG INPUT

Quick Overview

Input: 4-20 mA

Display: 0.6" (15.24 mm) feet & inches upper display;
7 alphanumeric character lower display 0.4" (10.2 mm)

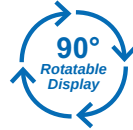
Case: Plastic NEMA 4X field mount

Power: Loop-powered

Operating Temperature: -40 to 75°C

Features

- SafeTouch® through-window button programming
- Alphanumeric tag names
- 3.0 V drop (6.0 V drop with backlight)
- Flanges for wall or pipe mounting
- Backlight standard
- Loop-powered
- Password protection
- 32-point linearization
- Level and volume
- Level and percent
- Open collector Hi or Lo alarm
- Tank level bargraph



vantageview



PD6720 Vantageview Analog Input Flow Rate/Totalizer

FLOW RATE/TOTAL

Quick Overview

Input: 4-20 mA

Display: 5-digit rate 0.7" (17.8 mm); 7 alphanumeric character total 0.4" (10.2 mm)

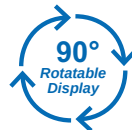
Case: Plastic NEMA 4X field mount

Power: Loop-powered

Operating Temperature: -40 to 75°C

Features

- SafeTouch® through-window button programming
- 7-digit totalizer
- 3.0 V drop (6.0 V drop with backlight)
- Flanges for wall or pipe mounting
- Backlight standard
- Loop-powered
- Password protection
- 32-point, square root, or exponential linearization
- Open collector pulse or alarm output



vantageview



PD6730 Vantageview Pulse Input Flow Rate/Totalizer

FLOW RATE/TOTAL



 vantageview

Quick Overview

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)
Case: Plastic NEMA 4X field mount
Power: 9-30 VDC, output-loop, or battery
Operating Temperature: -40 to 75°C (-20 to 75°C battery)

Features

- SafeTouch® through-window button programming
- Up to 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 on all models

Options

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

PD6730X Vantageview Super Snooper Modbus Scanner

MODBUS SCANNER



 vantageview

Quick Overview

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

Features

- Master, slave, or snooper mode
- Scan multiple process variables (PV)
- SafeTouch® through-window button programming
- Alphanumeric tag names
- Flanges for wall or pipe mounting
- Backlight standard
- Password protection
- 32-point linearization channel
- Two open collector pulse or alarm outputs

PD6730X Vantageview F&I Super Snooper Modbus Scanner

FEET & INCHES
MODBUS SCANNER

Quick Overview

Input: Modbus® RTU

Display: 0.6" (15.24 mm) feet & inches upper display;
7 alphanumeric character lower display 0.4" (10.2 mm)

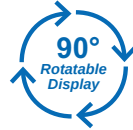
Case: Plastic NEMA 4X field mount

Power: 9-30 VDC

Operating Temperature: -40 to 75°C

Features

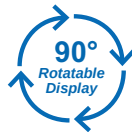
- Master, slave, or snooper mode
- Scan multiple tanks
- SafeTouch® through-window button programming
- Alphanumeric tag names
- Flanges for wall or pipe mounting
- Backlight standard
- Password protection
- 32-point linearization
- Two open collector alarm outputs
- Tank level bargraph



 vantageview

PD6770 Vantageview Large Display Meter

PROCESS



 vantageview

Quick Overview

Input: 4-20 mA

Display: 3½ digits, 1.0" (25.4 mm)

Case: Plastic NEMA 4X field mount

Power: Loop-powered

Operating Temperature: -40 to 75°C

Options

- Loop-powered backlight

Features

- 1.0 V drop (4.0 V drop with backlight)
- Flanges for wall or pipe mounting
- Easy calibration and installation

PD663 ProtEX-Lite Process Meter

PROCESS

Quick Overview

Input: 4-20 mA

Display: 3½+ digits, 0.6" (15.24 mm)

Case: Smooth die-cast aluminum explosion-proof

Power: Loop-powered

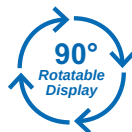
Operating Temperature: -40 to 75°C

Options

- Loop-powered backlight
- Reed switches

Features

- 1.7 V drop (4.7 V drop with backlight)
- Flanges for wall or pipe mounting
- Maximum/minimum display
- Programmable noise filter
- Multipoint linearization and square root function



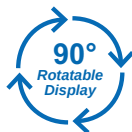
ProtEX
Lite



Explosion-proof. Complete product approved.

PD6800-0L1 ProtEX-Pro Level Meter

LEVEL METER



ProtEX
Pro



Explosion-proof. Complete product approved.

Quick Overview

Input: 4-20 mA

Display: 5-digit upper display 0.6" (15.24 mm);
7 alphanumeric character lower display 0.4" (10.2 mm)

Case: Smooth die-cast aluminum explosion-proof

Power: Loop-powered

Operating Temperature: -40 to 75°C

Features

- Level indication bargraph
- Open collector Hi or Lo alarm
- SafeTouch® through-glass button programming
- Alphanumeric tag names
- 3.0 V drop (6.0 V drop with backlight)
- Flanges for wall or pipe mounting
- Backlight standard
- Loop-powered
- Password protection
- 32-point, square root, or exponential linearization

PD6800 ProtEX-Pro Process Meter

PROCESS

Quick Overview

Input: 4-20 mA

Display: 5-digit upper display 0.7" (17.8 mm);
7 alphanumeric character lower display 0.4" (10.2 mm)

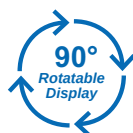
Case: Smooth die-cast aluminum explosion-proof

Power: Loop-powered

Operating Temperature: -40 to 75°C

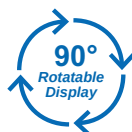
Features

- SafeTouch® through-glass button programming
- Alphanumeric tag names
- 3.0 V drop (6.0 V drop with backlight)
- Flanges for wall or pipe mounting
- Backlight standard
- Loop-powered
- Password protection
- 32-point, square root, or exponential linearization



Explosion-proof. Complete product approved.

PD6801 ProtEX-F&I Feet & Inches Level Meter

FEET & INCHES
ANALOG INPUT

Explosion-proof. Complete product approved.

Quick Overview

Input: 4-20 mA

Display: 0.6" (15.24 mm) feet & inches upper display;
7 alphanumeric character lower display 0.4" (10.2 mm)

Case: Smooth die-cast aluminum explosion-proof

Power: Loop-powered

Operating Temperature: -40 to 75°C

Features

- SafeTouch® through-glass button programming
- Alphanumeric tag names
- 3.0 V drop (6.0 V drop with backlight)
- Flanges for wall or pipe mounting
- Backlight standard
- Loop-powered
- Password protection
- 32-point linearization
- Level and volume
- Level and percent
- Open collector Hi or Lo alarm
- Tank level bargraph

PD6820 ProtEX-RTA Analog Input Flow Rate/Totalizer

FLOW RATE/TOTAL

Quick Overview

Input: 4-20 mA

Display: 5-digit rate 0.7" (17.8 mm); 7 alphanumeric character total 0.4" (10.2 mm)

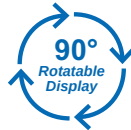
Case: Smooth die-cast aluminum explosion-proof

Power: Loop-powered

Operating Temperature: -40 to 75°C

Features

- SafeTouch® through-glass button programming
- 7-digit totalizer
- 3.0 V drop (6.0 V drop with backlight)
- Flanges for wall or pipe mounting
- Backlight standard
- Loop-powered
- Password protection
- 32-point, square root, or exponential linearization
- Open collector pulse or alarm output



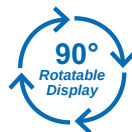
ProtEX™



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PD6830 ProtEX-RTP Pulse Input Flow Rate/Totalizer

FLOW RATE/TOTAL



ProtEX™
TP



Explosion-proof. Complete product approved.

Quick Overview

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)

Case: Smooth die-cast aluminum explosion-proof

Power: 9-30 VDC, output-loop, or battery

Operating Temperature: -40 to 75°C (-20 to 75°C battery)

Features

- SafeTouch® through-glass button programming
- Up to 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 on all models

Options

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

PD6830X ProtEX-MFI F&I Super Snooper Modbus Scanner

FEET & INCHES
MODBUS SCANNER

Quick Overview

Input: Modbus® RTU

Display: 0.6" (15.24 mm) feet & inches upper display;
7 alphanumeric character lower display 0.4" (10.2 mm)

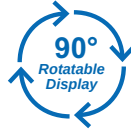
Case: Smooth die-cast aluminum explosion-proof

Power: 9-30 VDC

Operating Temperature: -40 to 75°C

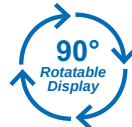
Features

- Master, slave, or snooper mode
- Scan multiple tanks
- SafeTouch® through-glass button programming
- Alphanumeric tag names
- Flanges for wall or pipe mounting
- Backlight standard
- Password protection
- 32-point linearization
- Two open collector alarm outputs
- Tank level bargraph


ProtEX™
MFI


Explosion-proof. Complete product approved.

PD6830X ProtEX-MS2 Super Snooper Modbus Scanner

MODBUS SCANNER


Quick Overview

Input: Modbus® RTU, pulse

Display: 5-digit 0.7" (17.8 mm) upper display;
7 alphanumeric character 0.4" (10.2 mm) lower display

Case: Smooth die-cast aluminum explosion-proof

Power: 9-30 VDC

Operating Temperature: -40 to 75°C

Features

- Master, slave, or snooper mode
- Scan multiple process variables (PV)
- SafeTouch® through-glass button programming
- Alphanumeric tag names
- Flanges for wall or pipe mounting
- Backlight standard
- Password protection
- 32-point linearization channel
- Two open collector pulse or alarm outputs

ProtEX™
M


Explosion-proof. Complete product approved.

PD6870 ProtEX-FarVu Large Display Meter

PROCESS

Quick Overview

Input: 4-20 mA

Display: 3½ digits, 1.0" (25.4 mm)

Case: Smooth die-cast aluminum explosion-proof

Power: Loop-powered

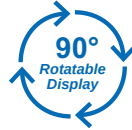
Operating Temperature: -40 to 75°C

Options

- Loop-powered backlight

Features

- 1.0 V drop (4.0 V drop with backlight)
- Flanges for wall or pipe mounting
- Easy calibration and installation



Explosion-proof. Complete product approved.

PD8-154 ProtEX-MAX 4-Point Annunciator

ANNUNCIATORS

Quick Overview

Input: Switch, transistor, logic level

Display: 4 red LED indicators

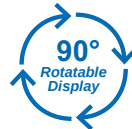
Case: Smooth die-cast aluminum explosion-proof

Power: 85-265 VAC or 12-36 VDC

Operating Temperature: -40 to 65°C

Features

- 8 field selectable sequences
- 4-point monitoring
- All common ISA sequences
- Multiple-unit first-out indication
- 2 SPDT relays for alarm activated devices
- Silence, acknowledge, and reset functions
- SafeTouch® through-glass button programming
- Flanges for wall or pipe mounting



Explosion-proof. See website for details.

PD8-158 ProtEX-MAX 8-Point Annunciator

ANNUNCIATORS

Quick Overview

Input: Switch, transistor, logic level

Display: 4 or 8 red LED indicators

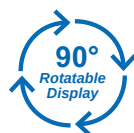
Case: Smooth die-cast aluminum explosion-proof

Power: 85-265 VAC or 12-36 VDC

Operating Temperature: -40 to 65°C

Features

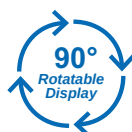
- 8 field selectable sequences
- 8-point monitoring
- All common ISA sequences
- Multiple-unit first-out indication
- 2 SPDT relays for alarm activated devices
- Silence, acknowledge, and reset functions
- SafeTouch® through-glass button programming
- Flanges for wall or pipe mounting



Explosion-proof. See website for details.

PD8-765 ProtEX-MAX Process & Temperature Meter

PROCESS & TEMP



Quick Overview

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)

Case: Smooth die-cast aluminum explosion-proof

Power: 85-265 VAC or 12-36 VDC option

Operating Temperature: 0 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 button programming
- Modbus® RS-485 serial communications
- Flanges for wall or pipe mounting

Options

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



Explosion-proof. See website for details.

PD8-6000 ProtEX-MAX Process Meter

PROCESS

Quick Overview

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)

Case: Smooth die-cast aluminum explosion-proof

Power: 85-265 VAC or 12/24 VDC option

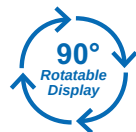
Operating Temperature: -40 to 65°C

Features

- Dual-scale for level applications - single input
- 32-point, square root, or exponential linearization
- Multi-pump alternation control
- Programmable function keys
- Isolated 24 VDC @ 200 mA transmitter power supply
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- Modbus® RTU communication protocol
- SunBright display

Options

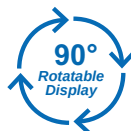
- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays



Explosion-proof. See website for details.

PD8-6001 ProtEX-MAX Feet & Inches Level Meter

FEET & INCHES



Explosion-proof. See website for details.

Quick Overview

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

Case: Smooth die-cast aluminum explosion-proof

Power: 85-265 VAC or 12/24 VDC option

Operating Temperature: -40 to 65°C

Features

- Feet & inches display ideal for level applications
- Dual-scale for level and volume applications - single input
- 32-point, square root, or exponential linearization
- Multi-pump alternation control
- Programmable function keys
- Isolated 24 VDC @ 200 mA transmitter power supply
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- Modbus® RTU communication protocol
- SunBright display

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays

PD8-6060 ProtEX-MAX Dual-Input Process Meter

**DUAL-INPUT
PROCESS**

Quick Overview

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)

Case: Smooth die-cast aluminum explosion-proof

Power: 85-265 VAC or 12/24 VDC option

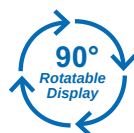
Operating Temperature: -40 to 65°C

Features

- Addition, difference, absolute difference, average, multiplication, division, min of A or B, max of A or B, draw, weighted average, and ratio math functions
- Signal input conditioning for flow & round horizontal tanks
- Multi-pump alternation control
- Isolated 24 VDC @ 200 mA transmitter power supply
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- Modbus® RTU communication protocol
- SunBright display

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays


ProtEX™
M


Explosion-proof. See website for details.

PD8-6080 ProtEX-MAX Super Snooper Modbus Scanner

MODBUS SCANNER

Quick Overview

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)

Case: Smooth die-cast aluminum explosion-proof

Power: 85-265 VAC or 12/24 VDC option

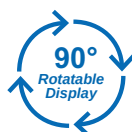
Operating Temperature: -40 to 65°C

Features

- Master, slave, or snoop mode
- Scan up to 16 PVs
- Programmable function keys
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- SunBright display

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays


ProtEX™
M


Explosion-proof. See website for details.

PD8-6081 ProtEX-MAX F&I Super Snooper Modbus Scanner

FEET & INCHES
MODBUS SCANNER

Quick Overview

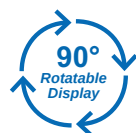
Input: Modbus® RTU;
Dual 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V)
Display: Dual-line 6-digit, 0.60" (15 mm) feet & inches upper display, & 0.46" (12 mm) lower display
Case: Smooth die-cast aluminum explosion-proof
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- Master, slave, or snooper mode
- Scan multiple PVs
- Level and volume
- Programmable function keys
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- SunBright display

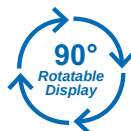
Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays


ProtEX
M


Explosion-proof. See website for details.

PD8-6100 ProtEX-MAX Strain Gauge Meter

STRAIN GAUGE

ProtEX
M


Explosion-proof. See website for details.

Quick Overview

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)
Case: Smooth die-cast aluminum explosion-proof
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- Selectable 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
- Ratiometric operation
- Dual-scale feature - single input
- Rounding function 1, 2, 5, 10, 20, 50, or 100
- Auto-zero feature eliminates zero drift
- Isolated 24 VDC @ 200 mA transmitter power supply
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- Modbus® RTU communication protocol
- SunBright display

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays

PD8-6200 ProtEX-MAX Analog Input Rate/Totalizer

FLOW RATE/TOTAL

Quick Overview

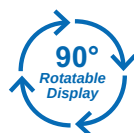
Input: 0-20 mA, 4-20 mA; ± 10 VDC (0-5, 1-5, 0-10 V);
Modbus PV (slave)
Display: Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm)
Case: Smooth die-cast aluminum explosion-proof
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- Displays rate and total simultaneously
- Count up or down, total & grand total
- Open channel flow with programmable exponent
- 32-point linearization with free software
- Square root extraction
- Total, grand total, or non-resettable grand total
- Isolated 24 VDC @ 200 mA transmitter power supply
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- Modbus® RS-485 serial communications
- SunBright display

Options

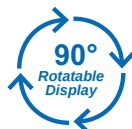
- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays



Explosion-proof. See website for details.

PD8-6210 ProtEX-MAX Analog Input Batch Controller

BATCH CONTROL



Quick Overview

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)
Case: Smooth die-cast aluminum explosion-proof
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- Start, batch, pause, & stop with front buttons
- Display batch total + rate, grand total, batch count or preset
- Single or multi-stage batching with up to 8 relays
- Automatic overflow correction
- Manual control or automatic batching
- Count up or down, total & grand total
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- Modbus® RTU communication protocol
- SunBright display

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays



Explosion-proof. See website for details.

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

DUAL-INPUT
RATE / TOTALIZER

Quick Overview

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)

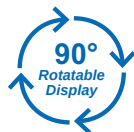
Case: Smooth die-cast aluminum explosion-proof

Power: 85-265 VAC or 12/24 VDC option

Operating Temperature: -40 to 65°C

Features

- Display rate, total, or grand total for either channel, or math
- Math functions based on rate, total, or grand total
- Addition, difference, absolute difference, average, multiplication, division, min of A or B, max of A or B, draw, weighted average, ratio, and concentration math functions
- Count up or down, total & grand total
- 5, 10 or 24 VDC isolated flowmeter power supply
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- Modbus® RTU communication protocol
- SunBright display

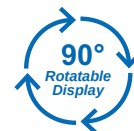

ProtEX
M


Explosion-proof. See website for details.

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays

PD8-6300 ProtEX-MAX Pulse Input Rate/Totalizer

FLOW RATE/TOTAL

ProtEX
M


Explosion-proof. See website for details.

Quick Overview

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)

Case: Smooth die-cast aluminum explosion-proof

Power: 85-265 VAC or 12/24 VDC option

Operating Temperature: -40 to 65°C

Features

- Displays rate and total simultaneously
- Count up or down, total & grand total
- 5, 10, or 24 VDC flowmeter power supply
- Gate function for rate display of slow pulse rates
- K-Factor, internal scaling, or external calibration
- Can convert pulse input to an isolated 4-20 mA output
- Isolated 24 VDC @ 200 mA transmitter power supply
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- Modbus® RTU communication protocol
- SunBright display

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays

PD8-6310 ProtEX-MAX Pulse Input Batch Controller

BATCH CONTROL

Quick Overview

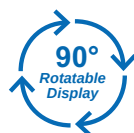
Input: Pulse, open collector, NPN, PNP, TTL, switch contact, sine wave (coil), square wave, Modbus PV (slave)
Display: Dual-line 6-digit, 0.60" (15 mm) & 0.46" (12 mm)
Case: Smooth die-cast aluminum explosion-proof
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- Start, batch, pause, & stop with front buttons
- Display batch total + rate, grand total, batch count or preset
- Single or multi-stage batching with up to 8 relays
- Automatic overflow correction
- Manual control or automatic batching
- Count up or down, total & grand total
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- Modbus® RTU communication protocol
- SunBright display

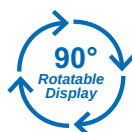
Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays



Explosion-proof. See website for details.

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

BATCH CONTROL
WEIGHTS & MEASURES

Explosion-proof. See website for details.

Quick Overview

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)
Case: Smooth die-cast aluminum explosion-proof
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- NTEP® Certified weighing and measuring device
- Mechanically secured programming lockout
- Start, batch, pause, & stop with front 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
- Modbus® RTU communication protocol
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- SunBright display

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays

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

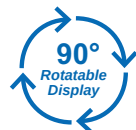
DUAL-INPUT
RATE / TOTALIZER

Quick Overview

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)
Case: Smooth die-cast aluminum explosion-proof
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -40 to 65°C

Features

- Quadrature inputs
- Display rate, total, or grand total for either channel, or math
- Math functions based on rate, total, or grand total
- Addition, difference, absolute difference, average, multiplication, division, min of A or B, max of A or B, draw, weighted average, ratio, and concentration math functions
- Count up or down based on digital input or second input
- 5, 10 or 24 VDC isolated flowmeter power supply
- Convert pulse input or math result to a 4-20 mA output
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- SunBright display

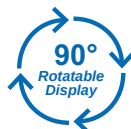

ProtEX
M


Explosion-proof. See website for details.

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays

PD8-7000 ProtEX-MAX Temperature Meter

TEMPERATURE

ProtEX
M


Explosion-proof. See website for details.

Quick Overview

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)
Case: Smooth die-cast aluminum explosion-proof
Power: 85-265 VAC or 12/24 VDC option
Operating Temperature: -20 to 65°C

Features

- 1° or 0.1° resolution
- Averages up to 10 RTD sensors
- Automatic cold junction compensation
- Interlock relays (force on)
- Programmable function keys
- SafeTouch® through-glass button programming
- 4 on-board digital inputs and outputs
- Modbus® RTU communication protocol
- SunBright display

Options

- 4-20 mA output with isolated 24 VDC @ 40 mA power supply
- 2 or 4 form C internal relays

STOP SQUINTING

The Trident X2 Makes Your
Critical Processes Visible

Old Meter
(Replace)



Trident X2
(Upgrade)



**Why the
Trident X2
Works!**



Twice
the Display
Height of the
Competition



Bright
Sunlight
Readable
LEDs



30 Feet
Visibility



1/8 DIN
Easily
Replace Old
Panel Meters

Upgrade to Trident X2 Now at
www.predig.com/trident

 **TRIDENT X2**

PD940 ConsoliDator 4 Four-Channel Controller (Wall)

Quick Overview

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

Case: NEMA 1, powder-coated steel

Power: 90-264 VAC or 8-30 VDC

Mounting: Wall

Operating Temperature: 0 to 50°C

Features

- Sunlight readable display
- Four pulse and 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)

Quick Overview

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

Case: NEMA 1, powder-coated steel

Power: 90-264 VAC or 8-30 VDC

Mounting: Panel

Operating Temperature: 0 to 50°C

Features

- Sunlight readable display
- Four pulse and 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)

Quick Overview

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

Case: NEMA 1, powder-coated steel

Power: 90-264 VAC or 8-30 VDC

Mounting: Wall

Operating Temperature: 0 to 50°C

Features

- Sunlight readable display
- Four pulse and 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)

Quick Overview

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

Case: NEMA 1, powder-coated steel

Power: 90-264 VAC or 8-30 VDC

Mounting: Panel

Operating Temperature: 0 to 50°C

Features

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



PD650 2.3" (57.3 mm) Large Display Process Meter

PROCESS



Actual Digit Size



Quick Overview

Input: 0-20 mA, 4-20 mA;
±10 VDC (0-5, 1-5, 0-10 V)
Display: 2.3" (57.3 mm), 4½ digits
Case: NEMA 4X aluminum
Power: 115/230 VAC or 22-28 VDC
Operating Temperature: -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 1.0" (25.4 mm) Large Display Process Meter

PROCESS

Quick Overview

Input: 0-20 mA, 4-20 mA; ±10 VDC (0-5, 1-5, 0-10 V)
Display: 1.0" (25.4 mm), 4½ digits
Case: NEMA 4X high impact plastic
Power: 115/230 VAC or 22-28 VDC
Operating Temperature: -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



Actual
Digit Size



PD540 Nova Series Digital PID Controllers

Quick Overview

Input: Universal process & temperature

Display: Dual, 4-digit

Case: 1/16, 3/16, 1/8, and 1/4 DIN

Power: 100-240 VAC

Operating Temperature: 10 to 50°C

Options

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

Features

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



NOVA CE cUL[®] US

PD550 Nova Series Ramp & Soak Controllers

Quick Overview

Input: Universal process & temperature

Display: Dual, 4-digit

Case: 1/16, 3/16, 1/8, and 1/4 DIN

Power: 100-240 VAC

Operating Temperature: 10 to 50°C

Options

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

Features

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



NOVA CE cUL[®] US

PD560 Nova Series Digital Meters

Quick Overview

Input: Universal process & temperature

Display: Dual, 4-digit

Case: 1/8 and 1/4 DIN

Power: 100-240 VAC

Operating Temperature: 10 to 50°C

Options

- Digital inputs
- RS-485 serial communications

Features

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



NOVA CE cUL[®] US

PD570 Nova Series Limit Controllers

Quick Overview

Input: Universal process & temperature

Display: Dual, 4-digit

Case: 1/16 and 1/4 DIN

Power: 100-240 VAC

Operating Temperature: 10 to 50°C

Options

- RS-485 serial communications

Features

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



NOVA CE cUL[®] US

PD9500 Precision Calibrator

Quick Overview

Accuracy: 0.0025% of reading (voltage)

Source/read: Thermocouples (13), RTD (9), voltage, current, & pressure (read only)

Interface: Direct keyboard entry, dual displays

Power: 115 or 230 VAC

Features

- Initial calibration accuracy (6 months) to 0.0025% of reading (voltage)
- Custom RTD and SPR T profiles
- Nine setpoints for each output range and type
- Beryllium-copper binding posts reduce thermal EMFs
- RS-232 and IEEE-488 remote control
- Compatible with Fluke Met/Cal® software
- Isolated measurement channel
- Includes NIST traceable certificate with calibration data



PDA1500 High VAC/VDC to Logic Level Converter

Quick Overview

Modes: Straight conversion or series break

Mounting: DIN Rail

Number of 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



MeterView® Pro Software For ProVu® Series

Quick Overview

System Requirements: Windows® 2000, XP, Vista, 7 (Windows® 32-bit and 64-bit operating systems)

Communications: One meter at a time: USB, RS-232, or RS-485

Meter Address: 1 - 247

Reports: Data logging: Save as CSV file format

Configuration: Save as PDC file format or print configuration

Baud Rate: 300 - 19,200 bps

Protocol: Modbus RTU (requires ProVu® firmware version 2.0 or higher)

Features

Communicate from a PC to

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

Required Adapter

PDA8008 ProVu® USB serial adapter (recommended)
or **PDA1232** ProVu® RS-232 serial adapter

Configuring & Monitoring Software for ProVu® Series



Monitor & Datalog



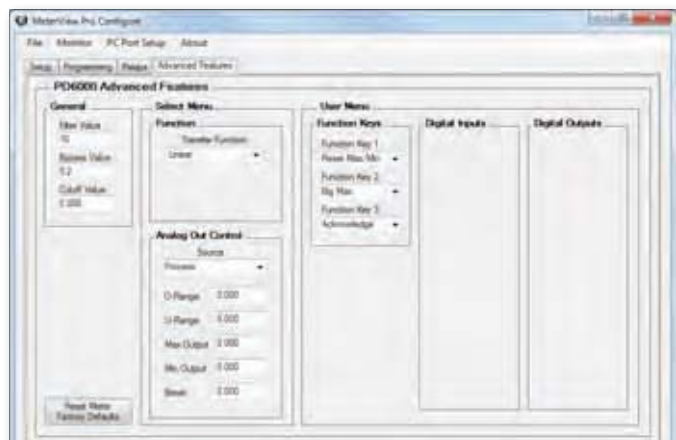
Setup



Linearization Utility



Relays



Advanced Features

ScanView

Software For ProVu® Modbus Scanners

Quick Overview

System Requirements: Windows® 2000, XP, Vista, 7, 8

Communications: 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

Configuration: 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 Super Snoop Modbus Scanners
- Manage scanner settings
- Monitor critical process information
- Program and display the four math channels
- Manage relays and analog outputs
- Independent scaling, tag, and unit for each PV
- Modbus RTU serial communications via RS-485
- Data log all PVs to a PC

Required Adapter

PDA8008 ProVu® USB serial adapter (PD6088 & PD6089)

PDA8485 USB to RS-422/485 converter (PD6080 & PD6081)

Configuring & Monitoring Software for ProVu® Modbus Scanners



MeterView®

Software For Trident Series

Quick Overview

System Requirements: Windows® XP (SP3), Vista, 7, 8
(Note: Windows® 32-bit and 64-bit operating systems only)

Communications: USB, RS-232, or RS-485 Adapter

Meter Address: 00 - 99

Reports: Data logging: Save as HTML file format

Configuration: Save as plain text, export to HTML, or print configuration

Baud Rate: 300 - 19,200 bps

Configuration: One meter at a time

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 (recommended)

or **PDA7232** Trident RS-232 serial adapter

Configuring & Monitoring Software for Trident Series



MeterView® EX

Software For PD6830 & PD6730

Quick Overview

System Requirements: Windows® XP, Vista, 7, 8

Communications: RS-485 adapter or direct USB adapter from PD6830.

Meter Address: 1 - 247

Baud Rate: 1,200 - 115,200 bps, selection must match the baud rate selected in the meter

Configuration: Configure meter settings one meter at a time.

Data Logging Report: Save as CSV file format

Configuration Report: 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

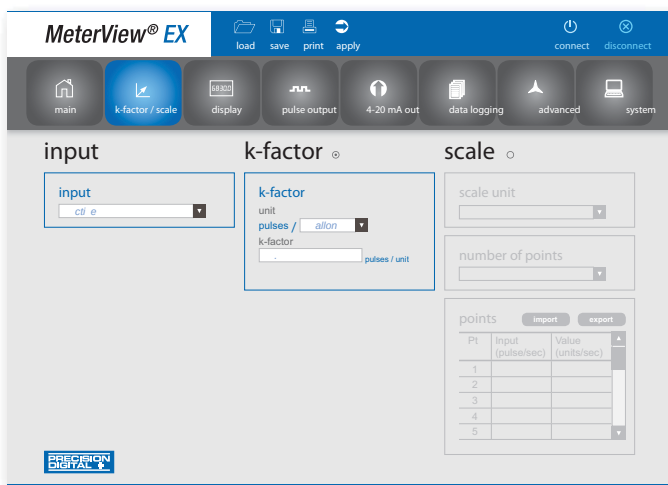
Required Adapter

PDA8068 USB serial adapter

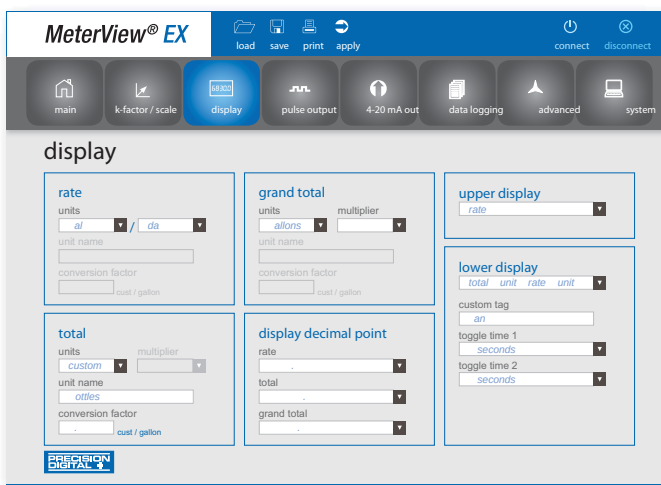
Configuring & Monitoring Software for PD6830 & PD6730



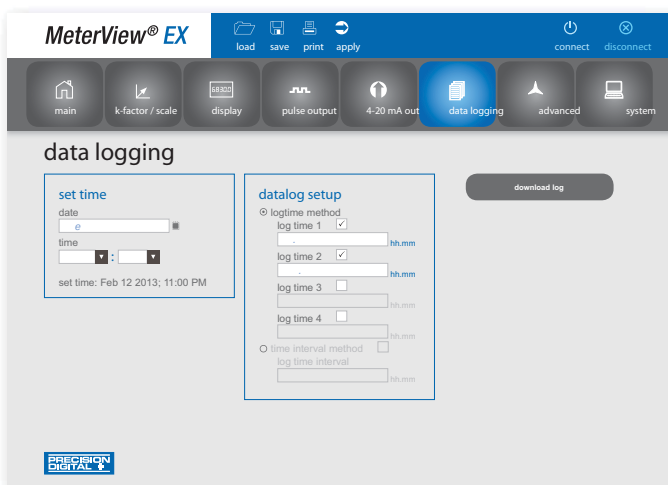
Monitoring



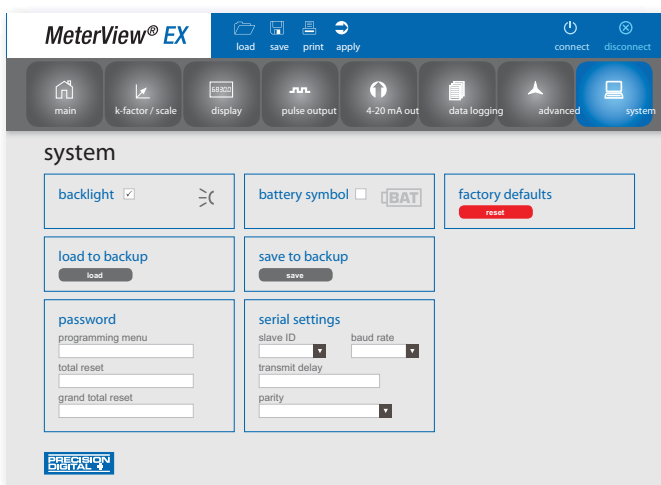
Input Setup



Display Setup



Data Logging



System Setup

ScanView EX

Software For PD6830X & PD6730X

Quick Overview

System Requirements: Windows® 2000, XP, Vista, 7, 8 (32 or 64-bit operating systems)

Communications: USB, RS-232, or RS-485 adapter

Scanner Address: 1 - 247

Baud Rate: 1,200 - 115,200 bps

Configuration: Configure scanner settings one at a time.

Data Logging Report: Save as CSV file format

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

Configuring & Monitoring Software for PD6830X & PD6730X



Monitoring



Mode / PV Setup



Display Setup



Data Logging



Outputs Setup

PRO VU® Accessories

Expansion Modules

PDA1004: 4-relay module

PDA1011*: Dual 4-20 mA output module

PDA1044: 4 digital I/O module

Additional Accessories

PDA1002: DIN-rail mounting kit

PDA1200: Meter copy cable

Serial Adapters

PDA1232: RS-232 serial adapter

PDA1485: RS-485 serial adapter

PDA8008: USB serial adapter

* PDA1011 for use with PD6060, PD6080, PD6081, PD6088, PD6089, PD6262, PD6363, and PD6400 only.



Required Cables
Included

Trident Accessories

Serial Adapters

PDA7232: RS-232 serial adapter

PDA7422: RS-485 serial adapter

PDA8006: USB serial adapter

Additional Accessories

PDA7420: Meter copy cable



Required Cables
Included

Serial Converters

RS-232 to RS-422/485

PDA7485-I: converter, isolated

PDA7485-N: converter, non-isolated

USB to RS-232

PDA8232-N: converter, non-isolated

USB to RS-422/485

PDA8485-I: converter, isolated

PDA8485-N: converter, non-isolated



Required Cables
Included

MeterView EX / ScanView EX Adapter

Serial Adapter

PDA8068: USB serial adapter for PD6730, PD6730X PD6830, & PD6830X



Required Cables
Included

P DA2300 Economical Plastic NEMA 4X Enclosures



Quick Overview

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

Features

- House up to 10 Meters
- Horizontal or Vertical Cutouts

P DA2500 Rugged Plastic NEMA 4X Enclosures



Quick Overview

Material: Thermoplastic
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

P DA2600 Stainless Steel NEMA 4X Enclosures



Quick Overview

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

P DA2700 Steel NEMA 4 Enclosures



Quick Overview

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 Stainless Steel
- 14-gauge, Type 304 Stainless Steel
- NEMA 4, 4X, 12, and 13



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



Quick Overview

Material: Thermoplastic Polyester
Color: Gray

Features

- House up to 2 Meters
- 1/2" Conduit Hole on PDA2801 and PDA2811

PDA2900 Plastic NEMA 4X Enclosures for ConsoliDator Series



Quick Overview

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

Options

- Sub-panels
- Mounting kit

PDA3400 Plastic NEMA 4X Enclosures



Quick Overview

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.

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Peterson Instruments



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