Precision Digital Presents

The Helios
Large Display Meter
Webinar Organizers

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What is the Helios series?

• Full line of large display, field mounted meters and controllers
• IP65 rated enclosure for outdoor installations
• Six super bright LEDs on a large dual-line display
• Digits are 1.8 inches tall
• Can be read from up to 100 feet away
  • Ensures that everyone can see your facility’s critical process variables
The Power of the PROVu, visible from up to 100 feet away

- The Helios line of large display meters and controllers is based on the PROVu line
  - All the powerful features of the PROVu line with a display that’s 3x the size!
- Every Helios model has all of the features and functions of its PROVu counterpart
  - e.g. - the PD2-6310 is a large display pulse input batch controller as the PD6310 is a panel mount pulse input batch controller
Super Bright LEDs

- Visible in smoke, fog, dust, and even direct sunlight
- Readable from up to 100 feet away
- The most informative large display meter on the market with two large display lines
Easily Accessible Wiring Compartment

• Available with onboard digital I/O, RS-485, four relays, 4-20 mA output, signal input connections, power connection, and USB.
• All connections available from bottom enclosure compartment.
• Model shown here is the PD2-6001.
Easily Accessible Wiring Compartment

- All wires fed through pre-cut conduit holes located at bottom of enclosure
- Comes with two pre-installed conduit hole plugs which may be removed or relocated as needed.
  - Additional plugs available upon request
USB Programming with PC Software

• Program the meter quickly and easily with USB
• Programming software included on meter
• The simplest meter to program yet!
Questions?

• Please enter your questions in the ‘Questions’ window
Process (PD2-6000)

- Accepts analog current and voltage inputs
- Ideal for displaying process variables in level, pressure, speed, humidity applications
- Pump alternation control for level applications
- Signal input conditioning for open channel flow and irregularly shaped tanks
- Second display line can show units or another scale such as height and volume of a tank
Feet and Inches Level Display (PD2-6001)

• Easy to understand feet and inches display
• Perfect for level applications
• Pump alternation control and signal input conditioning
• Dual scale capability to display volume on lower display
Rate/Totalizer (PD2-6200 & PD2-6300)

- Analog input and pulse input models available
- Display rate and total at the same time
- Grand total calculation with non-resettable option
- Pulse input model allows for 4-20 mA retransmission
Dual Input (PD2-6060, PD2-6262, & PD2-6363)

- Accept two analog or pulse inputs simultaneously
- Dual input process meter and rate/totalizers
- Display both inputs and math functions performed on the inputs
  - Includes addition, difference, multiplication, average, ratio, concentration, etc.
Batch Control (PD2-6210 & PD2-6310)

• Analog and pulse input batch controllers
• Display preset and batch total simultaneously on dual-line display
• Multistage batching with 4 relays
• Onboard digital inputs allow for external control stations
• Automatic overflow protection
Strain Gauge (PD2-6100)

- Load cell or mV input
- Up to twelve load cells for additional accuracy
- Auto zero feature helps to eliminate drift
  - Manual tare and zero features also available
- Display the strain input in two different scales, such as weight and volume
High Voltage and High Current (PD2-6400)

- Accepts high voltage and high current inputs simultaneously
- Displays both inputs or apparent power calculated from the inputs
- Any variable may be retransmitted as a 4-20 mA signal
  - Up to 3 4-20 mA outputs available
Temperature (PD2-7000)

- Accepts a wide range of thermocouples and RTDs
- 1° or 0.1° Resolution
- Averages Up To 10 RTD Sensors
- Automatic Cold Junction Compensation
- Temperature units display inline with the temperature measurement
Modbus® (PD2-6080 & PD2-6081)

- Can operate in Modbus® RTU master, slave, and snooper (packet sniffer) mode
- Polls and displays up to 16 process variables
- Available math functions to perform on the inputs
- Available in feet & inches display model
Q & A

• Please enter your questions in the ‘Questions’ window
• Apologies if we do not get to your question today. We’ll contact you offline with a response as soon as possible.
Other Large Displays
Salt Water Tank Level at Truck Loading Stations

Selling Features

- Large 1.2” high digits
- Sunlight readable display for outdoor applications
- Local indication for level transmitters mounted on top of the tanks
Oil Refinery Pump Control

Selling Features

- Explosion-proof NEMA 4X enclosure
- Large 1.2” high digits
- Sunlight readable display for outdoor applications
- Pump alternation control
Boiler Drum Level Monitoring at Sugar Refinery

Selling Features

- Large 1.2” high digits
- ⅛ DIN panel mount
- 2 relays + 4-20 mA output
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Helping you with the right displays and controllers for your application.

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