HELIOS

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

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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
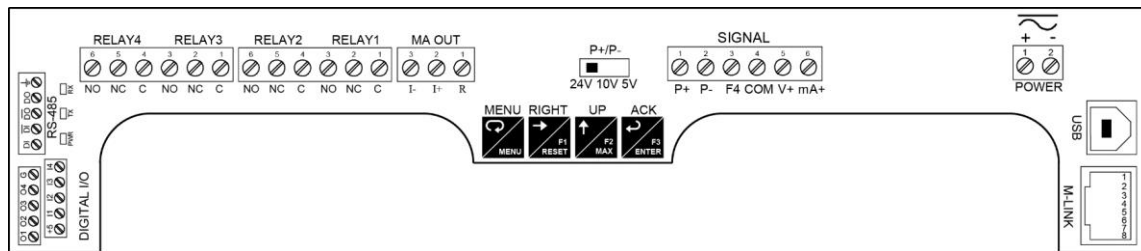
Super Bright LEDs

- 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

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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.
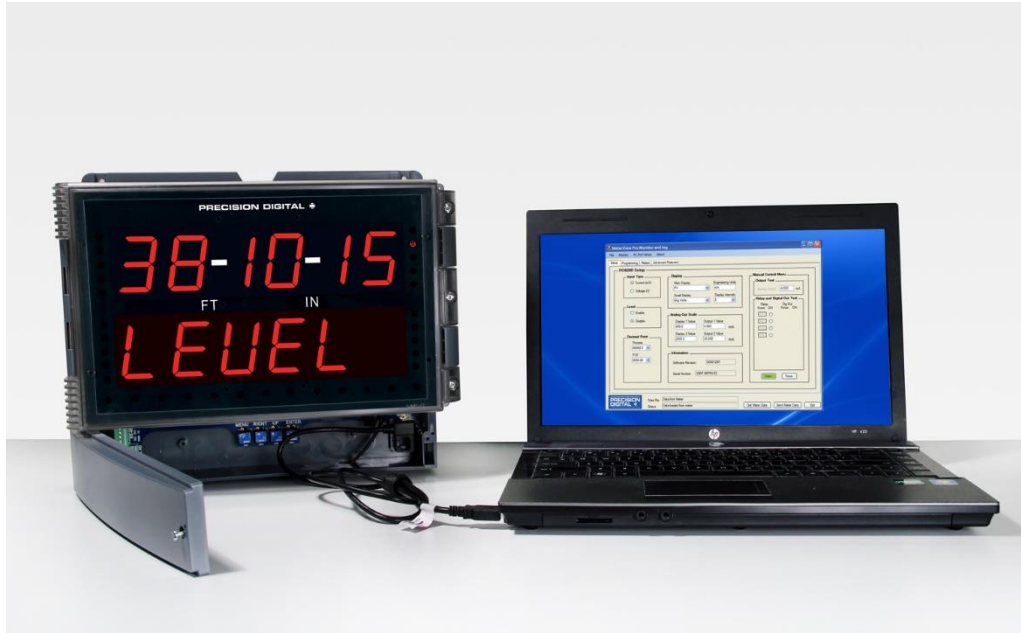
- Model shown here is the PD2-6001.

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

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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

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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

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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

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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

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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

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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

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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

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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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