

Loop Leader® Series Loop-Powered Indicators and Rate/Totalizers

Intrinsically safe models for use in just about any hazardous area

new

These ½-DIN panel meters are designed for your demanding process control applications, yet are easy to set up and operate. Quickly and conveniently program them using four front-panel buttons so no pots or jumpers are involved. All meters feature an easy-to-read 5-digit backlit LCD with bar graph and a NEMA 4X/IP65 front panel.

The indicator models (PD683 and PD688) display flow rate and total from a DP transmitter or open channel flow in weirs and flumes. The rate/totalizer models (PD684 and PD689) display rate up to five digits and total up to eight digits, and can be programmed to automatically or manually toggle between rate and total.

Select intrinsically safe models PD688 and PD689 for hazardous area applications. These meters have FM approval and CSA certification so they can be installed in just about any hazardous location.

- 5-digit backlit display with bar graph and trend arrow
- HART® protocol transparent



61600-00

SPECIFICATIONS

Input	4 to 20 mA
Display	5-digit LCD, 0.6" (15.2 mm) high; 20-segment bar graph
Voltage drop	2 V (5.7 V with backlight)
Enclosure	½ DIN, high-impact plastic, UL 94V-0
Operating temperature	-4 to 149°F (-20 to 65°C)
Agency approval	FM Type 4X front; FM and CSA approval (PD688 and PD689 only)
Dimensions (W x H x D)	4 ¹¹ / ₁₆ " x 2 ⁷ / ₁₆ " x 3 ³ / ₄ " (119 x 62 x 96 mm)

Catalog No.	Model No.	Description
TS-61610-00	PD683-0K0	Loop-powered indicator, general purpose
TS-61610-01	PD688-0K0	Loop-powered indicator, hazardous areas
TS-61610-02	PD684-0K1	Loop-powered process meter, general purpose
TS-61610-03	PD689-0K1	Loop-powered process meter, hazardous areas

Trident X2 Large-Display Process Meters

Very large 1.2" (30.5 mm) display can be read at a distance

The Trident X2 meter is one of the most versatile digital panel meters on the market, satisfying a wide variety of process applications. Its huge 1.2" (30.5 mm) display can be read from far distances effortlessly—up to 30 feet (9 meters) away! Meter can be field programmed to accept process voltage, current, RTD, and the most common thermocouples. Two power options are available: 85 to 265 VAC or 12 to 36 VDC, and it can provide 24 VDC to power the transmitter if needed. Programming and setup can be performed via the four front-panel push buttons, free MeterView software, or the Copy function.

- 1.2" (30.5 mm) sunlight readable display with eight intensity levels
- NEMA 4X, IP65 front bezel

new



61600-04

SPECIFICATIONS

Input	4 to 20 mA, 0 to 10 VDC, thermocouple (J, K, T, E), RTD
Display	Four-digit 1.2" (30.5 mm) red LED, -1999 to 9999
Enclosure	½ DIN plastic; NEMA 4X, IP65 front; 3 ³ / ₄ " (82.6 mm) deep chassis
Operating temperature	32 to 149°F (0 to 65°C)
Panel cutout	1.77" x 3.62" (45 x 92 mm)
Dimensions (W x H x D)	4 ⁵ / ₈ " x 2 ⁷ / ₁₆ " x 3 ³ / ₈ " (119 x 62 x 91 mm)

Catalog No.	Model No.	Power	Installed options	Price
TS-61610-04	PD765-6X0-00	85 to 265 VAC	None	
TS-61610-05	PD765-6X2-00	85 to 265 VAC	Two relays	
TS-61610-06	PD765-6X3-00	85 to 265 VAC	4 to 20 mA output	
TS-61610-07	PD765-6X3-20	85 to 265 VAC	4 to 20 mA output, dual 24 VDC supplies	
TS-61610-08	PD765-6X5-10	85 to 265 VAC	Two relays, 4 to 20 mA output, 24 VDC supply	
TS-61610-09	PD765-7X5-00	12 to 36 VDC	Two relays, 4 to 20 mA output	
Accessories				
TS-17100-18	—	NIST-traceable calibration with data		