



Process Instrumentation

PROCESS METER

Model PM-9300 Series

- **Low-cost Alarm & Pump Controller**
- **Alternates up to 4 pumps with time delay**
- **NEMA 4X Front Face (optional enclosure)**
- **4-20 mA Analog Input & Output**
- **Two-Line, 6 Digit Display**
- **Power Supply 85-250VAC or 12/24VDC**
- **24 VDC Transmitter Power Supply**
- **Horizontal Tank Volume Conversion**



Versions:

- Model PM-9300 (No outputs, display & panel mount)
 - Model PM-9320 (2 Relays, 1 4-20mA out, panel mount)
 - Model PM-9340 (4 Relays, 1 4-20mA out, panel mount)
 - Model PM-9301 (No outputs, display & Enclosure)
 - Model PM-9321 (2 Relays, 1 4-20mA out, Enclosure)
 - Model PM-9341 (4 Relays, 1 4-20mA out, Enclosure)
- (Specify PM-93XX- AC or DC for the Power Supply)

SPECIFICATIONS:

Display:	Top 0.6", Bottom 0.45" Ht, red LEDs, 6 digits (-999999 to 999999), 8 Intensity levels.
Front Panel:	NEMA 4X, IP65; panel gasket provided with four front panel buttons.
Password:	Restricts modification of programmed settings.
Non-Volatile Memory:	Settings stored for a minimum of 10 years.
Power Options:	85-265 VAC, 50/60 Hz, 20 W max or 12-36 VDC, 6 W max.
Required Fuse:	UL Recognized, 5 A max, slow-blow.
Isolated Transmitter:	5, 10 or 24 VDC selectable via jumper, 7000 max.
Operating / Storage Temperature:	-40 to 150°F / -40 to 185°F.
Connections:	Removable terminal blocks accept 12 - 22 AWG. Note: RJ45 external I/O only.
Panel:	1/8 DIN, high impact plastic, 94V-0, color; gray, weight = 9.5 oz (269 g).
Mounting Cut-out:	1/8 DIN panel cutout required 3.622" x 1.772" (92 x 45mm). Brackets included.
Dimensions:	4.68" x 2.45" x 5.64" (119mm x 62mm x 143mm), W x H x D.
Inputs:	Field selectable: 0-20 mA, 4-20 mA, 0-5 VDC, 1-5 VDC, 0-10 VDC.
Accuracy:	±0.03% FS ±1 count, Linear, square root, exponent, horizontal tank volume, 32 pt DIY Table.
Calibration Range:	User programmable over entire range of meter, up to 5 decimal places.
Relays:	0, 2 or 4 SPDT Form C, rated 3A @ 30VDC and 125/250 VAC.
Relay Operation:	Pump Alteration Control, Automatic (non-latching), Latching, Sampling (based on time).
Time Delay:	0 to 999 seconds, on and off relay time delays, each relay is programmable separately.
Fail-Safe:	Programmable and Independent for each relay.
Analog Output:	1 Isolated 4-20mA Output, 0.1% FS accuracy.