

Field Loop Powered Indicators

Sales Guide



FEET & INCHES

FLOW RATE/TOTAL

LARGE DISPLAY

PROCESS



Hazardous Areas

- > **Oil and gas refining**
 - Pair with flow meters, temperature transmitters, and pressure transmitters (All Models)
- > **Oil and gas transportation**
 - Pair with flow rate/totalizers (6820, 6830)
- > **Oil and gas storage tank indicators**
 - Pair with level transmitters (6801, 6870, MLA, MLD, MLX)
- > **Chemical processing**
 - Pair with flow meters, temperature transmitters, or pressure transmitters (All Models)
- > **Chemical storage**
 - Pair with flow totalizers and level transmitter (All Models)
- > **Fueling stations (heavy industry, airports, marine, etc)**
 - Pair with flow meters (6820, 6830)
- > **Water (well & sum) management in hazardous areas**
 - Pair with level transmitters (6870, MLA, MLD, MLX)

Safe Areas

In addition, they are useful to any safe area application requiring an extremely rugged solution or a clear LCD display.

- > **Steel plants**
 - Pair with temperature transmitters (6870, MLA,MLD,MLX)
- > **Outdoor installations**
 - Use anywhere where NEMA 4X, IP65, or LCD (sunlight readable) displays are necessary (All Models)
- > **Tank side indicators**
 - Pairs with level transmitters for the ideal feet and inches display (6801)

Intrinsically Safe and Non-Incendive

MLX Only

Extreme Temperature

MLA -50°C



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MODEL COMPARISON



	YPP6801	YPP6820	YPP6830	YPP6870
Meter Type	Level Meter	Rate/Total	Rate/Total	Process
Input	4-20 mA	4-20 mA	Pulse	4-20 mA
Display Type	5-digit Feet & Inches	5-digit Decimal	5-digit Decimal	3½ digits Decimal
Upper Display	0.7" (17.8 mm)	0.7" (17.8 mm)	0.7" (17.8 mm)	1.0" (25.4 mm)
Lower Display	0.4" (10.2 mm)	0.4" (10.2 mm)	0.4" (10.2 mm)	None
Process/Rate	399' 11"	99,999	99,999	1,999
Total	N/A	9,999,999	9,999,999	N/A
Rate & Total	N/A	Dual	Dual	N/A
Voltage Drop	3.0 V (6.0 V)*	3.0 V (6.0 V)*	N/A	1.0 V (4.0 V)*
Power Options	Input Loop	Input Loop	Output Loop, Battery, 12-36 VDC	Input Loop
Mounting	Wall, Pipe, Conduit	Wall, Pipe, Conduit	Wall, Pipe, Conduit	Wall, Pipe, Conduit
Operating Temp	-40 to 75°C	-40 to 75°C	-40 to 75°C	-40 to 75°C
Approvals	FM, CSA, ATEX, IECEx, CE	FM, CSA, ATEX, IECEx, CE	FM, CSA, ATEX, IECEx, CE	FM, CSA, ATEX, IECEx, CE



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MODEL COMPARISON



	MLA	MLD	MLX
Meter Type	Process Analog	Process Digital	Process Digital / Analog Bar Graph
Input	4-20mA, 10-50mA, 1-5V	4-20mA	4-20mA
Display Type Process	Analog Scale Any Any (0-100% Standard)	3.5 Digits Decimal 1999	6 Digits Decimal / Bar Graph 999999
Voltage Drop	(Input Resistance) 6.5 ohm - 4 to 20mA 13.5 ohm - 10 to 50mA 4K ohm - 1 to 5V	2V	4.2V
Mounting	Wall, Pipe, Conduit	Wall, Pipe, Conduit	Wall, Pipe, Conduit
Operating Temp	-50 to 60°C	-20 to 60°C	-40 to 80°C
Approvals	FM / CSA / Ex	FM / CSA / Ex	FM, CSA, ATEX, IECEx, CE (Explosion proof, Intrinsically Safe, & non-incendive) GOST & Inmetro-Pending



Optional colors available for
MLA, MLD, & MLX Series



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