

Martel Quick Mount LCD Panel Meters

QM130M Wiper Type

- 9 Segment LCD
- Color Scale



| | |
|-------------|-------------------|
| Input: | 0-1 VDC |
| Resolution: | 125 mVDC |
| Supply: | 5-12 VDC @ 1.5 mA |

QM100V40 2-Wire Voltage

- Monitoring System Voltage
- Powered from Measured Signal
- Reverse Polarity Protected



| | |
|-----------|----------------|
| Input: | 4.0-40.0 VDC |
| Accuracy: | 0.4V ± 1 count |
| Max: | 50 VDC @ 3 mA |

QM140V Voltage/Current

- 200 mV Full Scale
- Auto-zero, Auto-polarity
- Optional Ranging Board



| | |
|-----------|--------------------------------------------|
| Ranges: | 200mV, 2V, 20V, 200µA, 2ma, 20ma, 200ma |
| Accuracy: | 0.05% ± 1 count |
| Supply: | 7.5-15 VDC @ 150 µA |

QM120C Elapsed Time

- 9999.9 and 99999 Hour Ranges
- Reset & Trip/Total Inputs
- Pulse Output every 100 Hours

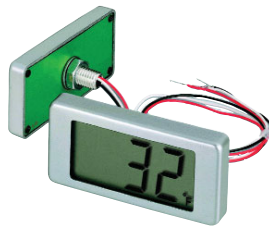


| | |
|---------|-------------------|
| Supply: | 5-27 VDC @ 2.5 µA |
|---------|-------------------|

 DIGITAL
METERS

QM110T Temperature

- Readout in Degrees C or F
- Reads Internal Sensor or External 10kΩ NTC Thermistor



| | Internal Sensor | External Sensor |
|-------------|-------------------------------|------------------------------|
| Range: | -10 to +50°C -14 to +122°C | -20 to 220°C -4 to +428°F |
| Resolution: | 0.5° | 1° |
| Supply | 4-28 VDC | 4-28 VDC |

SPECIFICATIONS FOR ALL METERS

| | |
|------------------------|-----------------------------------------------|
| Sample Rate: | 3 sec. |
| Character Height: | 0.5" (12.5mm) except 0.35" (9mm) on QM120C |
| Operating Temperature: | 0-50°C |
| Dimensions (W x H): | 1.71" x 0.84" (43.0 x 21.4 mm) |
| Mounting: | 7/32" (5.5 mm) hole |
| Sealing: | IP65 Front |

Yokogawa Loop Powered Indicators

- Explosion-Proof NEMA 4X Case
- Analog and Digital Models
- FM and CSA Approved Versions
- Wall Mount or 2" Pipe Mount

MLD ▶



SPECIFICATIONS

| | |
|----------------------------|------------------------------------------------------------------------------------------------|
| Input Resistance: | 100Ω (MLD 4-20mA) < 6.5Ω (MLA 4-20mA) < 13.5Ω (MLA 10-50mA) ≈4kΩ (MLA 1-5V) |
| Standard Scale: | 0-100.0% (MLD) 0-100% (MLA) |
| Accuracy: | ±0.05% of full scale [1999] ±1 digit (MLD) ±1.5% of full scale (MLA) |
| Operating Temperature: | 0 to 60°C (MLD), -20 to 60°C (MLA) |
| Electrical Classification: | FM, CSA, EXPLOSIONPROOF CL1, DIV1, GPS A,B,C,D, DUST-IGNITIONPROOF CLII / III, GPS E,F,G |
| Case and Cover: | Die cast aluminum, baked polyurethane paint. Dark green; NEMA 4X |
| Electrical Connection: | 1/2" NPT |

For special analog scale, add /SC to catalog number and describe (i.e. 0-300 PSI). For special digital readout, add /ENG to catalog number and describe (i.e. 50.0-150.0 GPM).

ORDERING INFORMATION

| | | | | | |
|----------|-------------------------|-----------------------------------------|---|---|-------------------------|
| A | B | C | D | E | Example: MLD-A2/FF1/WHT |
| A | Model | | | | |
| | MLA | Loop Indicator (Analog) | | | |
| | MLD | Loop Indicator (Digital) | | | |
| B | Input Signal | | | | |
| | -A | 4 to 20 mA DC | | | |
| | -B | 10 to 50 mA DC (MLA only) | | | |
| | -C | 1 to 5 VDC (MLA only) | | | |
| C | Mounting | | | | |
| | 1 | 2" Horizontal Pipe | | | |
| | 2 | 2" Vertical Pipe (or wall mount) | | | |
| D | Electrical Class | | | | |
| | /FF1 | FM Explosion Proof | | | |
| | /CF1 | CSA Explosion Proof | | | |
| E | Options | | | | |
| | / WHT | White scale or face plate | | | |
| | /ENG | Engineering Unit Calibration (MLD Only) | | | |
| | / SC | Scale in Engineering Units (MLA Only) | | | |
| | / SST | Stainless Steel Tag -Up to 8 Characters | | | |