

ULTRASONIC LEVEL TRANSMITTER

Special Features:

- Microprocess Based Transmitter
- Digital LCD Display
- High Performance with Low Cost
- On-Site Reranging though buttons
- Dual Relay Output Optional
- Measuring Cycle of 1 second
- High Resolution of 1mm



Applications:

ML-8Y Ultrasonic Level Transmitter offers compact size, high performance and outstanding operation capabilities. The Transmitter is specially designed to provide convenience of non-contact measurement of Level. Sophisticated design and rugged construction guarantees no maintenance. The meter consists of ultrasonic sensor and electronic transmitter unit. Ultrasonic pulses are emitted by the sensor to the surface of measured medium. Part of reflected ultrasonic pulses are received by the transducer and converted into output electronic signal. The relationship among distance S, sound speed C and transmission time T is: $S = C \times T / 2$.

Performance Specifications:

Level Range	: 0 ~ 1 mtr ... 60 mtr
Accuracy	: $\pm 0.5\%$ (For Optional Accuracy of $\pm 0.2\%$ F.S, Use Suffix OA)
Sensor Temperature	: - 20°C to 85°C
LCD Temperature	: - 20°C to 55°C
Resolution	: 1mm or 1% of F.S
Display	: Multiline LCD
Supply Voltage	: 24 VDC
Output	: 4-20 mA
Relay Output	: 2 SPDT (250VAC, 8A) ; Optional
Ingress Protection	: IP65
Dead Band	: 0.2 mtr (For Ranges < 10 meter)
Dead Band	: 0.3 mtr (For Ranges > 10 meter, < 30 meter)
Dead Band	: 0.5 mtr (For Ranges > 30 meter)
Process Connection	: M78 x 2 (For Range > 10 meter)
Process Connection	: M54 x 2 (For Range < 10 meter)
Beam Width	: 4" (100 mm)
Configuration	: On-Site with 3 Buttons
Transmitter MOC	: PVDF
Enclosure MOC	: ABS, Fireproof

Standard Ranges:

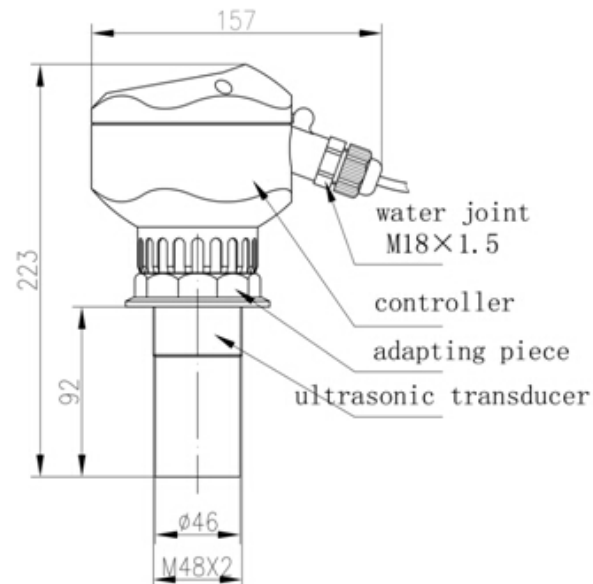
RANGE (M)	RANGE (M)	RANGE (M)
0/1	0/2	0/3
0/5	0/10	0/15
0/20	0/25	0/30
0/40	0/50	0/60

* Non Standard Ranges And Various Engineering Units Available On Request

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⚙️ Dimensions:

Outline drawing:



⚙️ Measurement Types:

