

## 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:

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 ultrasonicsensor 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  $S=CxT/2$

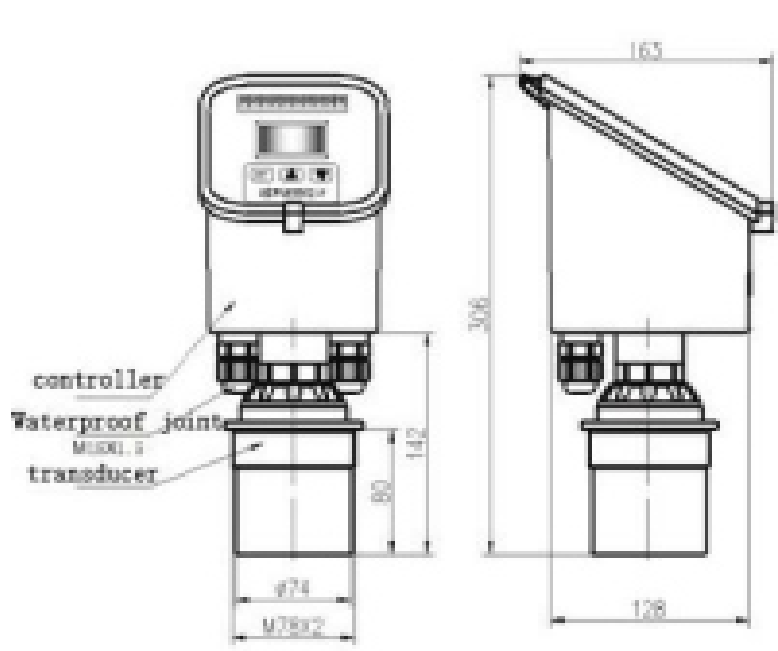
### **Performance Specifications**

Level Range	: 0 ~ 1 mtr ... 60 mtr
Accuracy	: $\pm 0.5\%$
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,
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

**Dimensions:**



**Measurement Types**

