

ULTRASONIC LEVEL SENSOR

5600-0157



7/05/2006

SELF CONTAINED ULTRASONIC SENSOR SUITABLE FOR NON-CONTACT MEASUREMENTS OF LEVEL, VOLUME, PROXIMITY, DISTANCE AND SNOW DEPTH

APPLICATIONS

- Non-contact level measurement
- Tank level measurement
- Proximity/distance measuring
- Snow depth Sensor

FEATURES

- Operates by transmitting a series of ultrasonic sound waves in a cone shaped pattern
- Sound waves reflect from target back to sensor, which measures the time interval between transmitting and receiving the sound wave.
- Calculated by the speed of sound, the time interval is converted to a distance measurement.
- 18 programmable modes
- Can be adjusted to meet the requirements of various monitoring sites
- Programmable modes include sensitivity, calibration, signal averaging, and pulse control.

ORDERING

5600-0157 Level Sensor, Ultrasonic



SPECIFICATIONS

Specifications subject to change without notice

CONTROLLER

| | |
|--------------|-------------------|
| Power Supply | 10 - 30 VDC |
| Output | 0-5 VDC |
| Resolution | 0.053 in. (1.3mm) |
| Current Draw | 7.0 mA @24VDC |
| Temperature | -30°C to +60°C |
| Sample Rate | 12Hz |
| Enclosure | PVC |

SENSOR

| | |
|-----------------|---|
| Range | 1 ft. to 16 ft. |
| Transducer Type | Ceramic, PVC faced |
| Temperature | -30°C to +60°C |
| Accuracy | ±0.2% of range, no temperature gradient |
| Dimensions | 8 in. L x 2.35 in. Dia |
| Beam | 9 degrees off axis |