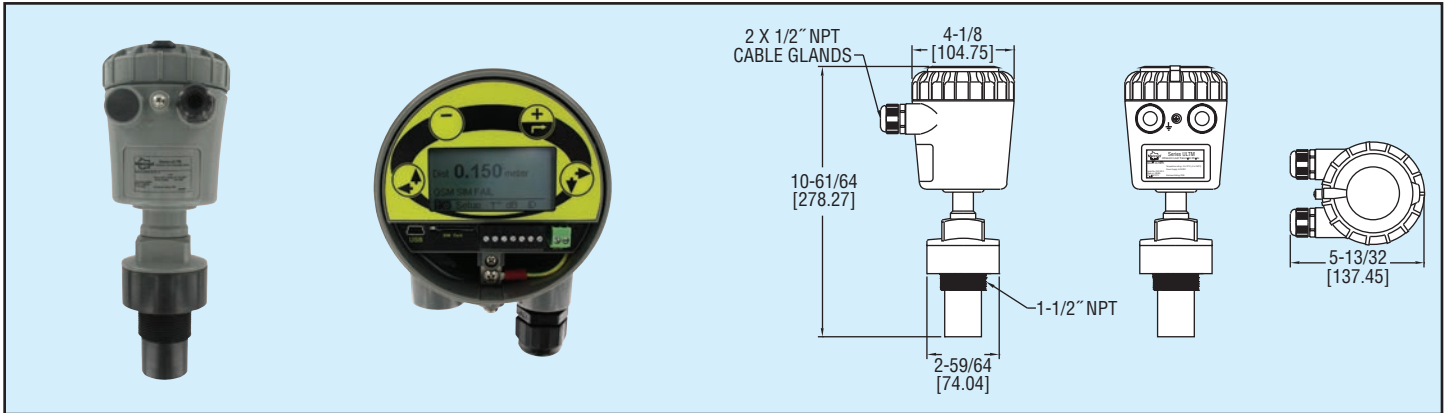




Model
ULTM

Ultrasonic Level Transmitter - Mobile

SMS Capability, Can Be Externally Battery Powered



Model ULTM is a level transmitter with embedded cellular communications. This product is fit for any site where SMS is available and features flexibility for customized alerts and reports. It features a cellular (GSM) link for transmission of measured data, supporting SMS and GPRS, as well as a USB for quick set up and local monitoring. The Model ULTM provides periodic reports on the hour, and SMS reports to assigned personnel on demand. There are no on-going fees for this model's control software due to complete data ownership. It houses an embedded, as well as an optional external temperature sensor, making it ideal for situations where rapid temperature variations may occur. The Model ULTM is a cost-effective solution perfect for remote monitoring in applications such as fuel theft detection and river flood alerts.

APPLICATIONS

Model ULTM is ideal for managing fuel tanks at remote sites for various uses such as fuel theft and leakage detection, inaccurate refueling, and continuous inventory with the use of the programmable switch tracking. Due to its low power option with the use of external battery, it features a long battery life based operation. The Model ULTM can be useful for wastewater monitoring, 24/7 monitoring of sewer junctions, and identification of overflow or blockage. The Model ULTM requires no road digging and is fit for harsh weather conditions, making installation simple in a variety of locations.

Note:

- Does not include SIM card or any cellular package.
- Works with AT&T and T-Mobile SIM cards in the U.S. Please make sure it will work will your cellular carrier before purchasing.
- Must be a mini-SIM card.

Model ULTM-00, Level Transmitter

ACCESSORIES*

ULTM-EXT, External Thermistor, NTC 10KΩ 5%

ULTM-PTS, Programmable Timer Switch

*ULTM-00 only supports one accessory at a time. External battery not included.

SPECIFICATIONS

Service: Compatible solids and liquids.

Wetted Materials: PVDF.

Range:

Liquids: 26.25' (8 m);

Solids: 19.69' (6 m).

Accuracy: ±0.5 cm (±0.2") or 0.2% of max. range.

Repeatability: 0.2% of measured range.

Resolution: 0.04" (1 mm).

Blind Zone: 5.91" (15 cm).

Beam Angle: 5° @ 3 db point.

Temperature Limits: -4 to 158°F (-20 to 70°C).

Temperature Compensation: Automatic.

Power Requirements: 8 to 33 VDC.

Current Consumption:

Continuous: 10 mA @ 24 VDC;

SMS Transmission: 40 mA @ 24 VDC;

Switch Output: 160 mA @ 24 VDC.

Process Tracking Rate (max.): 0.55 ft/s (10 m/min).

Electrical Connections: Screw terminal.

Conduit Connections: 1/2" female NPT.

Process Connections: 1-1/2" male NPT, 1-1/2" BSP optional.

Enclosure Material: Plastic PC/ABS+UV.

Enclosure Rating: IP65/IP67, IP68 (96 hours at 5.91' (1.8 m) water depth).

Mounting Orientation: Vertical.

Memory: Non-volatile.

Display: 64 x 128 graphic LCD.

Units: m, m/min, °F or °C (selectable).

Programming: 4-button.

Weight: 1.95 lb (884.51 g).

CELLULAR MODEM

Band: Quad band 850/900/1800/1900 mHz.

Output Power: Class 4 (33 dBm) for EGSM850/EGSM900; Class 1 (30 dBm) for GSM180/GSM1900.

SMS: Point-to-point MO and MT.

GPRS: Multi-slot class 10.

Reports Display: Level, volume, temperature.

SMS Resolution: 0.04" (1 mm).

Report Type: Empty, full, theft alert, refilling alert and periodic report.

Accuracy:

0.5 to 2' (0.15 to 0.6 m): ±0.6" (±1.5 mm);

2 to 16.5' (0.6 to 5 m): ±0.3% of measured range;

16.5 to 26.25' (5 to 8 m): ±0.2% of max. range.