The Model LDL2-030 Vented Water Level Data Logger has a vented cable and end cap to allow it to automatically compensate for atmospheric pressure fluctuations. The data logger measures water level up to 30 ft (9.14 m) and has an internal temperature sensor that accurately records temperatures between -40 to 158°F (-40 to 80°C). The innovative design makes it ideal for use in wastewater treatment facilities as well as monitoring well temperatures that accurately record temperatures between -40 to 176°F (-40 to 80°C). The innovative design makes it ideal for use in wastewater treatment facilities as well as monitoring well temperatures. The ULB utilizes ultrasonic technology paired with automatic temperature compensation to provide reliable and accurate measurements in virtually all conditions.

FEATURES

- Automatic ambient temperature compensation
- High accuracy (0.25% of max. range)
- Integral LCD display
- Direct installation

Sophisticated algorithms are used to overcome acoustic interferences and false echoes. An integrated LCD screen and four push buttons allow for quick and easy programming on a simple menu structure. Diagnostic capabilities and a failsafe output signal make the ULB an essential choice in critical applications.

BACKGROUND

The Model LDL2-030 Vented Water Level Data Logger is a direct-install level transmitter designed for non-contact measurement of solid levels. The ULB utilizes ultrasonic technology paired with automatic temperature compensation to provide reliable and accurate measurements in virtually all conditions. Sophisticated algorithms are used to overcome acoustic interferences and false echoes. An integrated LCD screen and four push buttons allow for quick and easy programming on a simple menu structure. Diagnostic capabilities and a failsafe output signal make the ULB an essential choice in critical applications.

FEATURES

- Direct installation
- Integral LCD display
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SPECIFICATIONS

Range: Temperature: -40 to 176°F (-40 to 80°C); Water level: 0 to 30 ft (0 to 9.14 m).
Memory Size: 16,383 readings per channel.
Accuracy: ±0.9°F (±0.5°C); ±0.3% FSR @ 77°F (25°C).
Resolution: Temperature: 0.2°F (0.1°C); Water level: 0.02˝ (0.051 cm).
Sampling Method: Stop on memory full.
Sampling Rate: Selectable from 2 s to 12 hrs.

Connecting Cable: ULB: Bulk solids; ULL: Liquids.

Wetted Materials:

- ULB: Polypropylene; Acoustic window: ECTFE.
- ULL: ECTFE.

Pressure Limits: 13.5 to 30 psi (0.9 to 2 bar).
Power Requirement: 18 to 28 VDC.

Pressure Levels: 3.6 V TL2150 lithium metal battery, installed functional, user replaceable.
Battery Life: 1 yr (approx).

Computer Requirements: Windows®, Windows NT®, and Windows Vista® are registered trademarks of Microsoft Corporation.