

MODEL DCU-7 Ultrasonic Level Sensor

General Description

The Model DCU-7 Ultrasonic Level Sensor is a highly accurate distance sensor used to measure water level. In a typical installation, the Model DCU-7 is mounted to a bridge or other structure and measures the distance to the water. The Model DCU-7 can also be used in stilling wells for river, reservoir, flume, and weir monitoring applications. It is designed specifically for use with ALERT transmitters and other controller/data loggers.

Sensor adjustments are accomplished via a computer and an RS-232 interface with a utility program provided with the sensor. Set up is easy and accomplished in minutes.

The Model DCU-7 sensor housing is rugged PVC and fully sealed for use in harsh wet environments.

Features

- Simple to use
- Low cost installation
- High accuracy
- Microprocessor controlled
- Self-contained rugged housing
- Low power

Ordering Information

DCU-7Ultrasonic Sensor
DCU-7-C.....Additional Cable, per foot



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Specifications

Operating Range: 1 to 16 ft.
Supply voltage: 12 to 24 Vdc
Operating temperature:..... -30 to 60 °C
Outputs:..... 0 to 5 volt, minimum span 2.1 ft.
Resolution:..... 0.053 in.
Accuracy:..... ± 0.2% of range with no temp. gradient
Total current drain: 70 mA at 24 Vdc
Sample rate: 12 Hz
Diameter: 2.35 in.
Length:..... 8 in.
Cable: 6 ft. conductor with MS connector
Weight: 2 lbs.
Shipping weight: 4 lbs.