

LS200

Ultrasonic Level Sensor

Continuous Drum Level Monitoring



Key Features

- Rugged PVDF transducer and polycarbonate enclosure
- Compact design
- Provides 4-20mA output
- Bluetooth Configuration

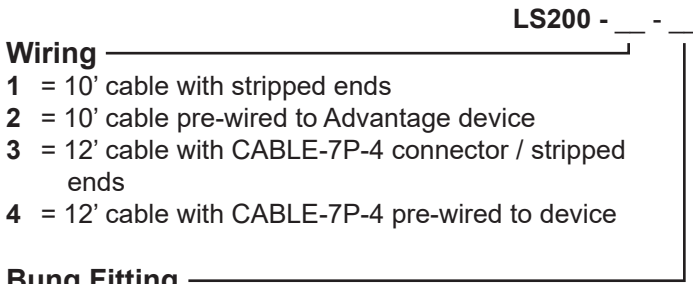
Application

The general-purpose ultrasonic sensor provides non-contacting level measurement from 4" (0.1m) to 78" (1.9m) with a 4-20mA output.

The four-wire sensor requires a 24 VDC power supply and will work for signal distances up to 1000 feet.

The sensor is well suited for a wide range of media and atmospheric tank sizes.

Build a Model



Wiring

- 1 = 10' cable with stripped ends
- 2 = 10' cable pre-wired to Advantage device
- 3 = 12' cable with CABLE-7P-4 connector / stripped ends
- 4 = 12' cable with CABLE-7P-4 pre-wired to device

Bung Fitting

- X = Standard 1" MNPT threads
- B = 2" MNPT adaptor added

Parts

- PSDC-24** = Power supply for 1 sensor
- PSDC-24-Q** = Power supply for 1-4 sensors
- PSDC-24-Q4** = Power supply for 1-4 sensors with four CABLE-7P-2A out to controller
- CABLE-7P-2A** = Prewired cable from PSDC to controller mA input card
- 2C4A-116** = 2" to 1" reducer bushing
- CABLE-7P-EXT25** = 25' extension for sensors with the CABLE-7P option

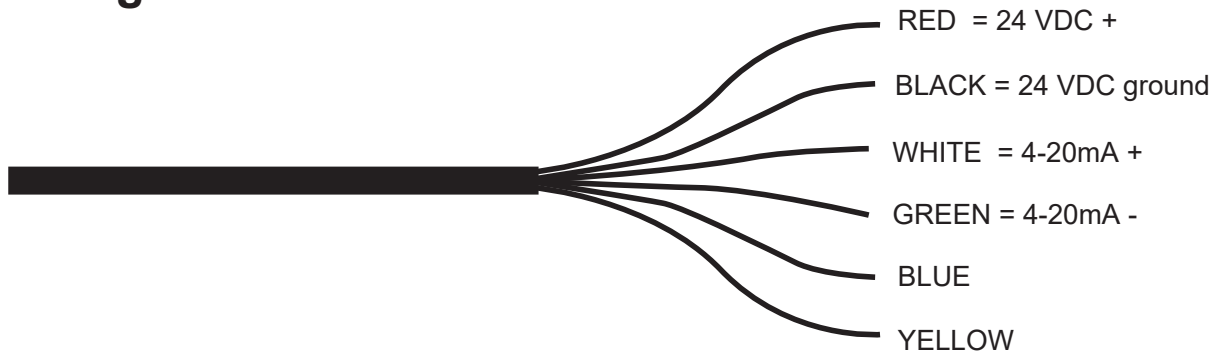
Notes:

1. Sensors require 24 volt DC power supply.
2. The PSDC-24-Q can power up to 4 level sensors.

Specifications

- Range:** 4" (0.1m) to 78"(1.9 m)
- Accuracy:** +/- 0.15% of range
- Resolution:** 0.02" (0.5 mm)
- Dead Band:** 4" (10.2 c m)
- Supply Voltage:** 24 VDC (loop)
- Loop Resistance:** 400Ω max @ 24 VDC
- Consumption:** 2.0 W max
- Signal Output:** 4-20 mA
- Configuration:** Bluetooth
- Temp. Comp.:** Automatic over range
- Process Temp.:** F: -20° to 140°
C: -7° to 60°
- Ambient Temp.:** F: -31° to 140°
C: -35° to 60°
- Pressure:** MWP = 30 PSI
- Enclosure:** Type IP67
- Encl. Material:** Polycarbonate
- Trans. Material:** PVDF
- Cable Length:** 10" (3 m)
- Process Mount:** 1 inch or *2 inch NPT
- Approvals:** CE

Wiring



Get the Advantage



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