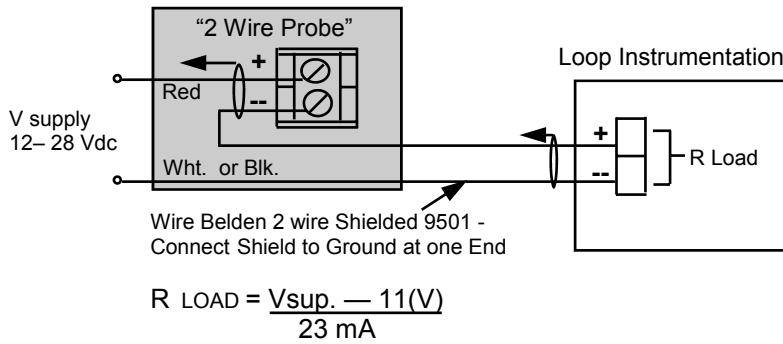
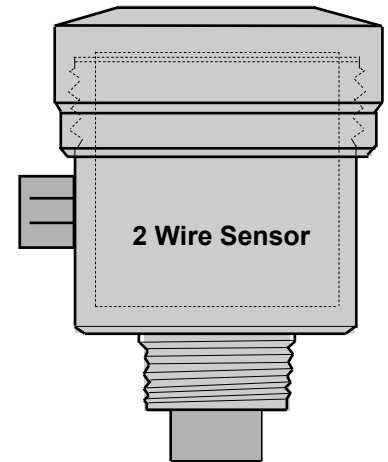
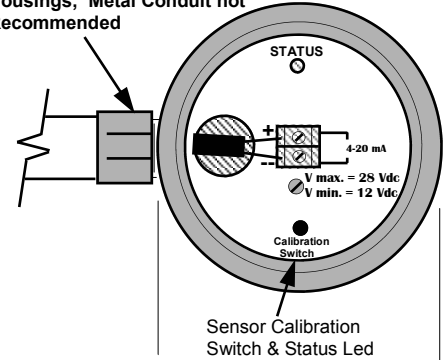


Fig. # 1 - "2 Wire Sensor" Wiring Connection

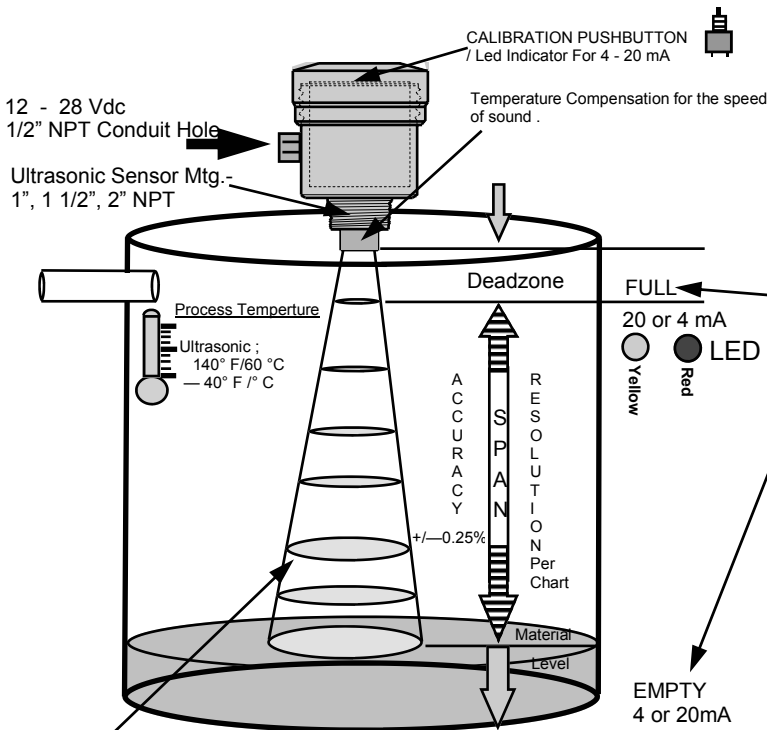


1/2" PVC Conduit Only for PVC Housings, Metal Conduit not Recommended



Typical Installation

1) Direct mounting ultrasonic sensor: simply thread sensor into metal or plastic nozzle.



Calibration: 4 - 20 or 20 - 4 mA Output :

FULL: Calibrate 20 mA or 4mA (Set Near Target)

- 1) Calibration mode LED color is Blinking Green.
- 2) Push button and hold until LED turns Yellow (20 mA) or push button and hold until LED turns Red (4 mA)
- 3) Release button, observe LED flashes to acknowledge the calibration.

EMPTY: Calibrate 4 mA or 20 mA (Set Far Target)

- 1) Calibration mode LED color is Blinking Green.
- 2) Push button and hold until LED turns Red (4 mA) or push button and hold until LED turns Yellow (20 mA)
- 3) Release button, observe LED flashes to acknowledge the calibration.

Loss of Echo: 22 mA or 3.5 mA

- 1) To choose 22 mA press and hold button until light goes off - 2 flashes.
- 2) To choose 3.5 mA press and hold button until light goes off - 1 flash.

Operation - An ultrasonic pulse is transmitted from the sensor. The pulse travels to the surface being monitored and is reflected off this surface back to the sensor. The time of flight is divided by 2 and converted to an output signal directly proportional to the material level.