



LEVEL

Two Wire Ultrasonic Level Transmitter With Display

TEK-Sound 4200B



TEKTROL
Technology Solutions

1 FEATURES

- The advanced microprocessor and unique Echo Discovery echo processing technology, the ultrasonic level instruments can be used under various complex conditions.
- The false echo storage function assures that the instrument can detect the right echo even with the presence of multiple false echoes and present accurate measurement results eventually.
- Ultrasonic transducer has adopted patented sonic matching technology, which helps it strengthen its emission power, enhance the signal intensity and eventually achieve accurate measurement.
- The built-in temperature sensor inside the transducer can complete temperature compensation for measurement results.

2 SPECIFICATION

Range	4200B-1:6" to 12", 4200B-2:12 "to 25"
Accuracy	±0.25% of range
Resolution	4200B-1:0.019", 4200B-2:0.039"
Blanking Zone	4200B:6" (10cm):4200B-2:12" (20cm)
Beam width	4200B-1:2" (5cm): 4200B-2:3" (7.6cm)
Configuration	Push button and HART
Memory	Non-volatile
Display type	LCD, 6-digit
Display units	Inch, cm, feet, meters, and mA percentage
Supply voltage	12-28VDC
Loop resist	500Ohms @ 24VDC
Signal invert	4-20 mA, 20-4 mA
Temp. comp	Automatic
Ambient temp	-40°F to 160°F (-40°C to 71°C)
Pressure	30 psi (2bar)
Enclosure rating	NEMA 4X (IP66)
Encl. material	Power Coated Aluminum
Conduit entrance	two, 1/2" NPT
Trans. material	PTFE
Process mount	4200B-1:1.5" NPT, 4200B-2:2" NPT
Classification	General purpose

3 APPLICATIONS

- Water and Wastewater industry
- Pharmaceutical industry
- Chemical industry
- Beverage industry