



LEVEL

Two Wire Ultrasonic Level Transmitter With Display

TEK-Sound 4200B



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.

3 APPLICATIONS

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

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, ½" NPT |
| Trans. material | PTFE |
| Process mount | 4200B-1:1.5" NPT, 4200B-2:2" NPT |
| Classification | General purpose |