



LEVEL



Technology Solutions

# Ultrasonic Level Transmitter

## Tek-Sound 4200A



### 1 FEATURES

- Simple push button calibration
- Self-cleaning operation of sensor face
- Built-in temperature compensation
- 3 and 4 wire operation
- It has accuracy up to  $\pm 0.10\%$  of max. range
- 4 mA to 20 mA or 20 mA to 4 mA outputs available
- It provides RS232 and RS485 communication protocol

### 3 APPLICATIONS

- Food and Beverages
- Pharmaceutical
- Water and wastewater
- Chemical industry

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### 2 SPECIFICATION

|                                     |                                                                  |
|-------------------------------------|------------------------------------------------------------------|
| Accuracy                            | $\pm 0.10\%$ of max. range (in lab using 4-20 mA current output) |
|                                     | $\pm 0.25\%$ of max. range (typically in field)                  |
| Response time                       | Standard unit 2-3 echos/sec.                                     |
|                                     | Fast protocol 10-30 echos/sec.                                   |
| Beam angle                          | 10-12 degree at -3dB                                             |
| Loss of echo                        | Hold 1 min., 22 mA or 2 mA output                                |
| Temperature compensation            | In-built                                                         |
| Calibration                         | Push-button or programmable via optional communications port     |
| Temperature (Electronics enclosure) | -40 °F to 140 °F (- 40 °C to 60 °C) continuous operation         |
| Pressure                            | 5 bar max. using high temperature and pressure sensor            |