



Model: LV7389-420-PA

Ultrasonic Level Sensor/Analog Output Transmitter



FEATURES & BENEFITS

- Non-contact Ultrasonic Sensor with Narrow Beam Pattern
- Transmitter Provides 4-20mA, or 1-5V DC
- Level Measurement Up To 16' (500cm)
- NEMA 4X Transmitter Enclosure
- Field Adjustable Signal Zero/Span Output
- Version Available with Wireless Transmitter/Receiver Set

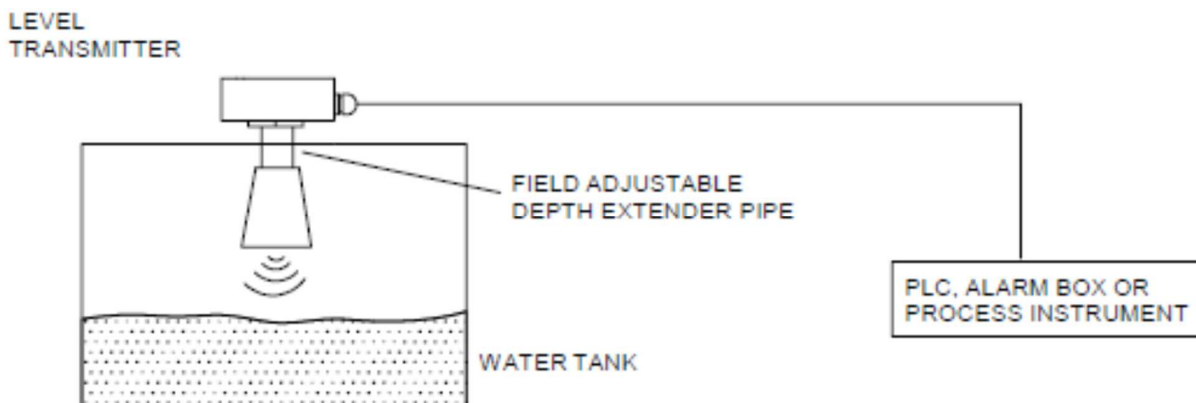
APPLACATIONS

- Pool or Jacuzzi Water Level Monitoring
- Process Control & Instrumentation
- Solids and Liquid Tank Level Measurement

DESCRIPTION

Model LV7389-420-PA Ultrasonic Tank Level Transmitter operates with narrow beam non-contact sensor that is ideal for monitoring solids and liquid height in many different applications. The sensor/transmitter combination accomplishes tank level measurement by providing a 4-20mA current or 1-5V DC voltage output that corresponds the distance measured by the sensor. Connect the transmitter output to a process meter or PLC to control a pump, valve or alarm unit. The sensors are rugged, reliable and designed for use in harsh environments.

SAMPLE APPLICATION: NON-CONTACT ULTRASONIC SENSOR SENDING MEASUREMENTS TO REMOTE INSTRUMENT



Sensor Specifications

Sensor Frequency: 42kHz
Sensor Connection: 3 Wire Leads
Sensor Read Rate: 6.66Hz
Measurement Distance/Beam Pattern: 500 cm (16')
Cable Length: 12', 3-wire shielded integral cable
Operating Temperature: -40 to 149 °F (-40 to 65 °C)
Installation: Tank Mounted, For Indoor or Outdoor Use

Transmitter Specifications

Output Signal: 4-20 mA (3-wire), 1-5V DC (3-wire)
Accuracy: +/- 0.1% of Span
Operating Voltage: 12 to 24V DC
Wire Connections: Terminal Blocks (14 – 24 AWG)
Max Loop Resistance: 700 Ω @ 24V DC
Enclosure Rating: NEMA 4X (IP65)

Available Transmitter Model

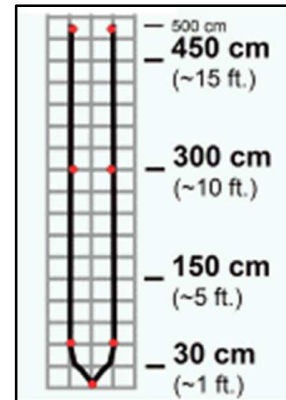
Model Number	Description
LV7389-420-PA	500 cm (16') Distance Ultrasonic Sensor with Analog Output Transmitter

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Note: Continued product improvements make specifications subject to change without notice.
Check www.imagineinstruments.com for the latest product information and updates

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500 cm (16') Beam Pattern