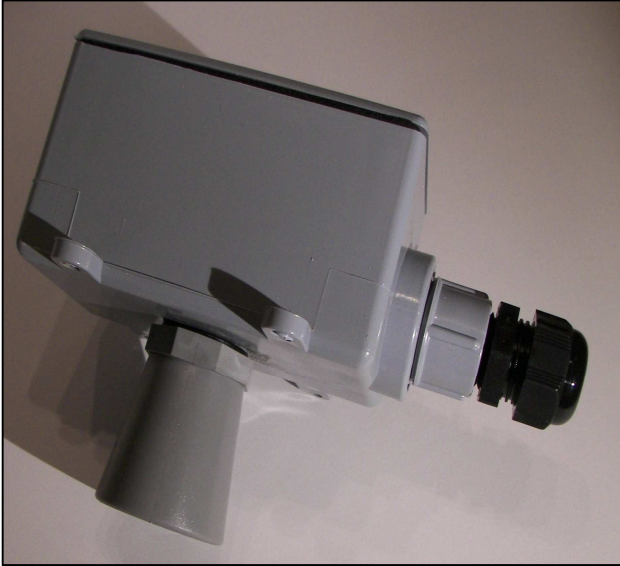




Model: LV7389-420-SB

## 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

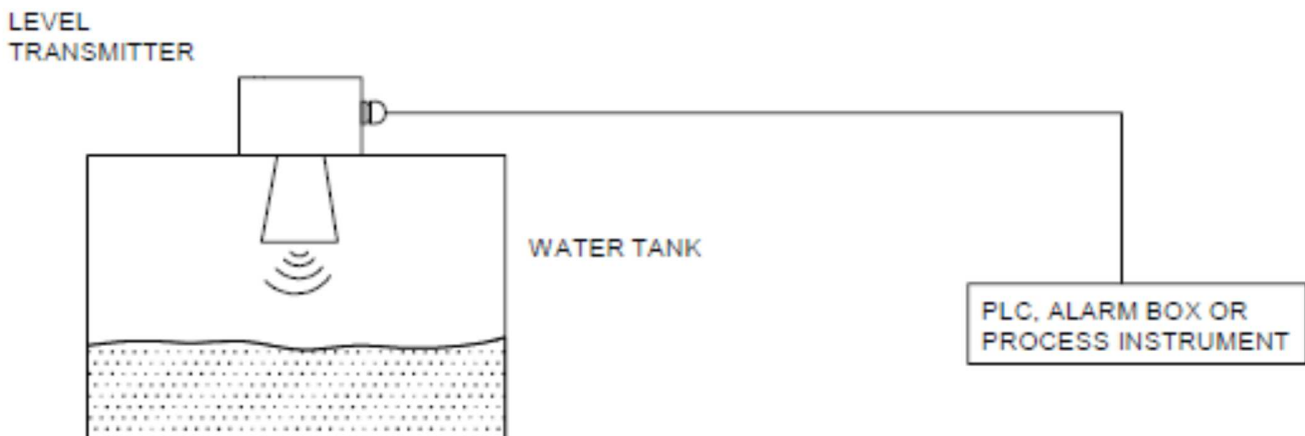
### APPLACATIONS

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

### DESCRIPTION

Model LV7389-420-SB 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

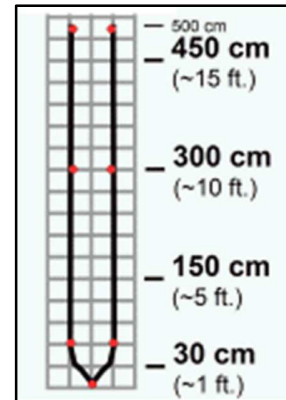
Model Number	Description
LV7389-420-SB	500 cm (16') Distance Ultrasonic Sensor with Analog Output Transmitter

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Note: Continued product improvements make specifications subject to change without notice.  
Check [www.imagineinstruments.com](http://www.imagineinstruments.com) for the latest product information and updates

Released: 26 February, 2018 :: Rev: B

Model: **LV7389-420-SB**



500 cm (16') Beam Pattern