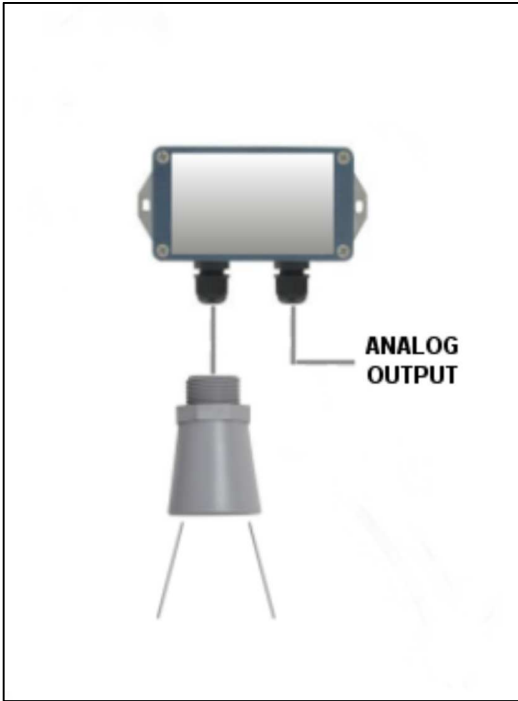




Series: ULTX-420

## 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 32' (1000cm)
- NEMA 4X Transmitter Enclosure
- Field Adjustable Signal Span Output
- Includes Connector Set and 15' Extension Cable
- 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 ULTX-420 Ultrasonic Level Transmitter operates with narrow beam non-contact sensors that are ideal for monitoring solids and liquid height in many different applications. The sensor/transmitter combination accomplishes tank level measurement by providing a current or 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. Two different models are available.

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



## Sensor Specifications

**Sensor Frequency:** 42kHz  
**Sensor Connection:** 3 Wire Leads  
**Sensor Read Rate:** 6.66Hz  
**Measurement Distance/Beam Pattern:** See charts  
**Mounting:** 3/4-14" NPT Thread  
**Cable Length:** 12', 3-wire shielded integral cable  
**Operating Temperature:** -40 to 149 °F (-40 to 65 °C)

## Transmitter Specifications

**Output Signal:** 4-20 mA (2-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
ULTX-420-500CM	500 cm Distance Ultrasonic Sensor with Analog Output Transmitter
ULTX-420-1000CM	1000 cm Distance Ultrasonic Sensor with Analog Output Transmitter

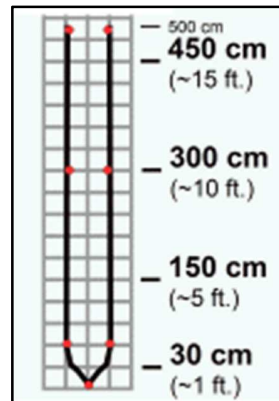
Includes Sensor, Sensor Mounting Nut, Analog Transmitter, 12' Sensor Cable and User Guide

© 2014 :: Imagine Instruments LLC :: 4500 Williams Drive, Ste 212-318 :: Georgetown, TX 78633 :: p. 512.778.6850  
 e-mail: info@imagineinstruments.com :: www.imagineinstruments.com

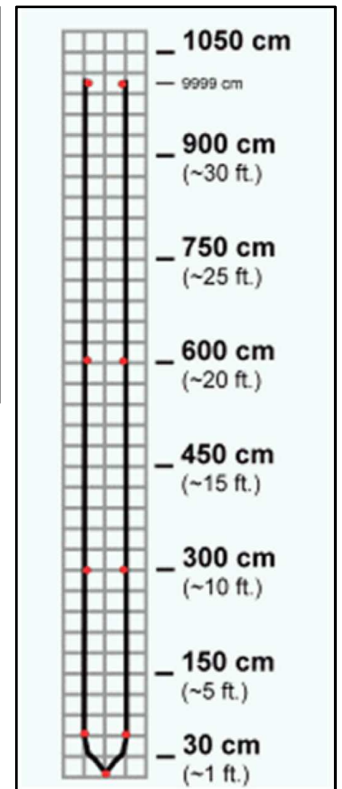
Note: Continued product improvements make specifications subject to change without notice. Check [www.imagineinstruments.com](http://www.imagineinstruments.com) for the latest product information and updates

Released: 15 September, 2014 :: Rev: B

Model: **ULTX-420**



500 cm Beam Pattern



1000 cm Beam Pattern