



Series: **WLTX-24**

Continuous Level Sensor with Wireless Transmitter / Analog Output Receiver Set

FEATURES & BENEFITS



- Wireless Bridge Between Sensor & Process Instrument
- Up To 1 Mile Line-of-site Max Distance
- Provides 4-20mA or 1-5V DC Output
- Sensor Available from 8 to 60 inches in Length
- NEMA 4X Transmitter Enclosure
- Powered By 12-24V DC Supply
- Field Adjustable Span Output
- Includes Connector Set and Sensor Extension Cable
- Sold as Sensor/Transmitter/Receiver Matched Set

APPLACATIONS

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

DESCRIPTION

Model WLTX-24 Continuous Level Sensor with wireless Transmitter/Receiver set operates with a vertical mounted, stainless steel float sensor that is ideal for monitoring liquid height in many applications. The sensor and 2.4GHz wireless transmitter combination accomplishes remote tank level measurement by sending a wireless current or voltage output signal up to 1 mile away that corresponds to the position of the float as it travels up and down the sensor's shaft. You can connect the wireless receiver output to a process meter or PLC to control a pump, valve or alarm unit. These level sensors are rugged, reliable and available in a wide variety of lengths to 60".

Level Sensor Specifications

Measurement Range: 8 to 60" (203 to 1524mm) By selected model

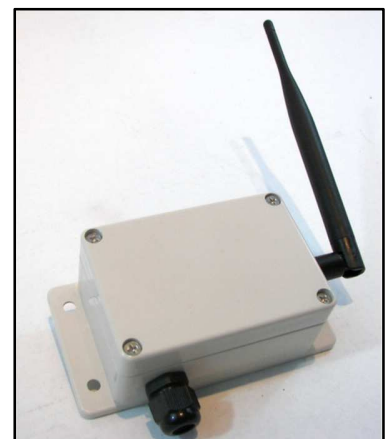
Accuracy: +/- 0.25% of span

Orientation/Mount Angle: +/- 18° from vertical

Process Temperature Range: -40 to 85°C (-40 to 185°F)

Sensor Mount: 1 ½" NPT

Shaft/Body Material: 316 SS



*Both Transmitter & Receiver
Feature NEMA 4X Enclosures!*

Model: **WLTX-24**

General Specifications

- Radio Frequency:** 2.4Ghz
- Wireless Analog Signal Transmission Resolution:** 10-bit
- RF Output Impedance:** 50 Ohm nominal
- Transmitter/Receiver Code Matching:** Factory set
- Wire Connections:** Terminal Blocks (14 – 24 AWG)
- Transmitter/Receiver Enclosure:** Plastic, NEMA 4X
- Antennas:** 7dBi Antenna (Included with system)
- Transmit/Receive RF Distance:**
 Up to 600' Line-of-sight (With Included 7dbi Antennas)
 Up to 1 Mile Line-of-sight (With Optional 12dbi Antennas)

Wireless Regulatory Approvals

- Regulatory:** FCC Part 95 (No license required)
- FCC(USA):** OUR-XBEEPRO, **IC (Canada):** 4214A-XBEEPRO

Wireless Transmitter Specifications

- Input Signal:** WLTX Level Sensor
- Operating Power:** Can be Hardwired, Battery or Solar
- Operating Temperature:** -10 to 130 °F (-23 to 54 °C)
- Hardwired** - 12 to 24V DC @ 250mA
- Battery** – 12V Battery (See Manual for Battery Life Estimates)
- Optional Solar** – Includes Panel, Battery, Charge Controller
- RF Power Output:** 63mW
- RF Data Rate:** 250 Kbps

Wireless Receiver Specifications

- Operating Power:** 12-24V DC @ 350mA
- Operating Temperature:** -10 to 130 °F (-23 to 54 °C)
- Receive Sensitivity:** -100 dBm
- RF Input Impedance:** 50 Ohm nominal
- Analog Output:** 4-20mA, 1-5VDC (Field Selectable)

Available Options

Model Number	Description
AT24-12DBI-YD-RP-SMA	12dBi Yagi Antenna
WLTX-24-SPK	Solar Power Kit (for one side)



Includes 9' Antenna Remote Mount Kit



Optional Antenna Model: AT24-12DBI-YD-RP-SMA

Available Models

Model Number	Sensor Length	Description
WLTX-24-8	8" (203mm)	Stainless Steel Level Sensor with Wireless Transmitter/Receiver Set
WLTX-24-10	10" (254mm)	
WLTX-24-12	12" (305mm)	
WLTX-24-14	14" (356mm)	
WLTX-24-16	16" (406mm)	
WLTX-24-18	18" (457mm)	
WLTX-24-20	20" (508mm)	
WLTX-24-22	22" (559mm)	
WLTX-24-24	24" (610mm)	
WLTX-24-26	26" (660mm)	
WLTX-24-28	28" (711mm)	
WLTX-24-30	30" (762mm)	
WLTX-24-32	32" (812mm)	
WLTX-24-34	34" (864mm)	
WLTX-24-36	36" (914mm)	
WLTX-24-38	38" (965mm)	
WLTX-24-40	40" (1016mm)	
WLTX-24-42	42" (1067mm)	
WLTX-24-44	44" (1118mm)	
WLTX-24-46	46" (1168mm)	
WLTX-24-48	48" (1219mm)	
WLTX-24-50	50" (1270mm)	
WLTX-24-52	52" (1321mm)	
WLTX-24-54	54" (1372mm)	
WLTX-24-56	56" (1422mm)	
WLTX-24-58	58" (1473mm)	
WLTX-24-60	60" (1524mm)	

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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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