

MODEL WL-900

RADAR TRANSMITTER WATER LEVEL SENSOR



Accurate and reliable non-contact water level measuring technology using radar level transmitters

The **WL-900** Radar Level Transmitter offers a logical extension to ultrasonic devices, where application conditions are in need of non-contact liquid level measurement but ultrasonic level transmitter measurement is not acceptable.

The WL-900 is ideal for a variety of water and wastewater applications where you have a reflective liquid that has a foaming surface, vapors, or dusty conditions beyond ultrasonic transmitter capabilities. The WL-900 is also unaffected by temperature, vacuums, pressure, methane, or CO₂.



Accurate, non-contact water level measurements



12 degree beam angle for accurate data



Single push calibration to simplify maintenance



Pulse radar measurement, range 10' to 50'



a **xylem** brand

MODEL WL-900 RADAR TRANSMITTER WATER LEVEL SENSOR



Capture water level in storage tanks.



Ultrasonic radar is ideal for water level and bridge gap measurements in many different applications.

WL-900 Specifications

Radar Level	AC: 115 VAC, 60 Hz ($\pm 20\%$) or 230 VAC, 50 Hz ($\pm 20\%$), 1.7 VA
Transmitter Power	DC: 12 to 30 VDC, 0.07 Amps max. @ 24 VDC
Radar Level	Signal: 4-20 mA, 6.1 uA resolution; 750 ohms
Transmitter Outputs	Communication: Optional RS232
Accuracy	$\pm 0.25\%$ of maximum sensor range (in air)
Frequency	6.3 GHz (or 5.8 GHz CE)
Measurement Range	10 in to 50 ft (0.254 to 15.2 m)
Resolution	0.22 in (5.7 mm)
Transmitter Power	50 uW average
Calibration	Push-button or optional programmable
Antenna	Polypropylene over dielectric rod
Beam Angle	12 degrees
Operating Temperature Range	-40°C to 60°C (-40°F to 140°F)
Operating Pressure	150 psi max
Installation Category	Class II
Process Connection	2 in NPT
Conduit Entry	1/2 in NPT standard
Housing	Aluminum or 316L stainless steel
Ingress Protection	NEMA 4 (IP65)
Certification	FCC Part 15 - low-power communication device, CE - 5.8 GHz Models
Weight	3.6 lbs (1.63 Kg)
Dimensions	4 in diameter x 18 in long (10 cm dia x 45.7 cm long)

SPECIFICATIONS XA00205

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Who's
Minding
the Planet?



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