



MODEL WL-705

ULTRASONIC WATER LEVEL SENSOR

Accurate and reliable non-contact water level measuring using ultrasonic technology

The **WL-705** contains a rugged transducer in a stainless steel sealed housing for long life, and provides an industry standard 4-20 MA output. There are three ranges available including 3 ft, 12 ft, and 48 ft options to meet a wide variety of applications.

The unique 3 ft range sensor is ideal for measuring flow in small flumes and weirs. The 12 ft and 48 ft ranges are best for measuring river, lake and tank levels and for measuring open channel flow in larger flumes.



Unaffected by optical factors like color and transparency



Sensors don't need to come in contact with water to read level



Durable sealed housing for wet or dirty applications



Long range, short dead band



a **xylem** brand

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Utilize ultra-sonic sensing technology for level in water reclamation basins.



Monitor change in water levels in weirs.

WL-705 Specifications

Range	0.3–19.9 FPS (0.1–6.1 MPS) 0.33 to 3 ft; 0.33 to 12 ft; and 1 to 48 ft
Resolution	0.009 in, 0.035 in, and 0.141 in
Repeatability	Greater of ± 0.03 inches (0.76 mm) or 0.1% of range @ constant temperature
Accuracy	Better than 0.5% of range @ constant temperature; affected by temperature gradients, target echo strength, and speed of sound in vapors
Transducer Type	Ruggedized piezoelectric
Beam Angle	12° conical shaped pattern
Power	3 and 12 ft range: 10 to 30 VDC @70 mA max 48 ft range: 10 to 30 VDC @40 mA max
Output	4–20 mA (4 mA is minimum water level and 20 mA is maximum water level)
Update Rate	50 ms
Operating Temperature	–40 to 158°F (–40 to 70°C)
Humidity	0 to 100% (avoid heavy condensation)
Housing Material	303 stainless steel
Dimensions	3 and 12 ft rng: 4.062 in long x 1.05 in dia (103.2 L x 26.7 Dia mm) 48 ft range: 4.75 in long x 2.375 in dia (121 L x 60 Dia mm)
Weight	3 and 12 ft range: 12.7 oz (0.36 g) 48 ft range: 25.9 oz (0.73 kg)
IP rating	IP 68, Nema 4X
Certifications	CE

SPECIFICATIONS XA00204

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Who's Minding the Planet?®



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