

ABM UM-SAN

ABM Sanitary Mini Ultrasonic Level Transmitter UM-SAN

The UM-SAN mini ultrasonic level transmitter is the ideal solution for short range sanitary / hygienic liquid level applications.

- 316L stainless steel transducer face with 1 1/2" or 2" tri-clamp mounting
- Withstands clean-in-place (CIP) processes
- Measuring range up to 16 ft (4.9 m)
- Non-contact continuous level measurement
- Self-cleaning, maintenance free operation
- Plug-and-play installation with simple calibration
- Remote monitoring and virtual support optional with Cellular Gateway

SPECIFICATIONS

Measuring Range: Up to 16 ft (4.9 m)

Technology: Ultrasonic

Frequency: Application dependent (81 or 148 KHz)

Calibration: Simple push-button calibration for configuration

Output: 4-20 mA out standard

Power: 12-30VDC (3-wire) operation

Communication: RS485 optional

Remote Communication: Remote monitoring and 24/7 virtual support with optional Cellular Gateway

Ambient Temperature: - 40 to 140°F (- 40 to 60°C)

Enclosure: PVC

Protection Rating: IP68 (NEMA 6)

Transducer: 316L stainless steel face with PVC ferrule or 316L stainless steel ferrule (for high temperature and pressure applications)

Protection Rating: IP68 (NEMA 6)

Process Connection: 1 1/2" or 2" Ferrule

Process Temperature: -40C to +60C (-40F to +140F) or - 40 to 130°C (- 40 to 266°F) with 316L stainless steel ferrule

Process Pressure: ≤ 1 Bar (14.5 psi) or ≤ 5 Bar (72.5 psi) with 316L stainless steel ferrule



TECHNICAL SPECIFICATIONS

MODEL	RANGE	RESOLUTION	MOUNTING
ABM300-148UMCX-	0.33 - 6 ft. 0.10 - 1.8 m	0.03" 0.7 mm	1.5" / 2.0" Ferrule
ABM300-081UMCX-	0.6 - 16 ft. 0.18 - 4.9 m	0.088" 2.2 mm	1.5" / 2.0" Ferrule

DIMENSIONS



High Temperature & Pressure Sensor
S.S. Ferrule 1 1/2" c/w S.S. Face

ELECTRICAL SPECIFICATIONS

Power DC	12 to 30 VDC , 0.07 A max @ 24 Vdc R load = (Vs — 6) / 24 mA
Output Optional	4-20 mA Output 6.1 uA resolution - communications port RS485