



Sensing Solutions since 1959

# U3M Series Technical Data Sheet

## Ultrasonic Sensors



U3M-148

### Applications

- Continuous measurement of clean liquids in environments where fluid contact is undesirable
- U3M-148 is ideal for small tanks
- U3M-148-3/4 includes 3/4" NPT adapter for drum level sensing
- Range of 4" to 9'

### Custom Solutions

*At times, OEMs, end users or military specifiers require a customized solution or sample product to test. Madison Company can design, manufacture and ship a custom switch or sensor in just six business days. Simply communicate the quantity and requirements to our technical sales staff. We will quote the product to establish budget and ROI. Following the quote approval, Madison engineers will design the switch or sensor that satisfies the application specifications, and provide proof of concept. Upon approval, we will build and ship the product or sample.*

### Related Products



U3M-148-3/4

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## Ultrasonic Sensors

### Ultrasonic Level Sensor Specifications

Model	Accuracy	Approvals	Frequency	Input Voltage	Lead Wires	Max. Pressure	Max. Temp	Mounting	Output	Sensing Range	Beam Angle
<b>U3M-148</b>	±0.25% of Full Scale	CE	148 kHz	12-30 VDC, R load = (Vs-6)/24 mA	60", 24 AWG, 3 pair; Relay option requires 18 AWG, 3 conductor	72.5 PSI	150°F (65°C)	1" NPT	4-20 mA	0.33' to 9' (0.10 m to 2.7 m)	12°
<b>U3M-148-3/4</b>	±0.25% of Full Scale	CE	148 kHz	12-30 VDC, R load = (Vs-6)/24 mA	60", 24 AWG, 3 pair; Relay option requires 18 AWG, 3 conductor	72.5 PSI	150°F (65°C)	3/4" NPT Pipe Plug	4-20 mA	0.33' to 9' (0.10 m to 2.7 m)	12°

Model	Calibration	Ingress Protection	Other Wetted Materials	Resolution	Temperature Compensation
<b>U3M-148</b>	Push Button	NEMA 4 (IP65)	PVC-94V0	0.03" (0.7 mm)	Onboard the sensor
<b>U3M-148-3/4</b>	Push Button	NEMA 4 (IP65)	PVC-94V0	0.03" (0.7 mm)	Onboard the sensor

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