

**New
Product**

"Submersible Mini Monitor" Ultra-sonic Transmitter



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FEATURES

Mini Monitor model: ABM300-148UMMC4-SSTEF, can be used for submersible pump control and also for detection of solid materials such as sand or sludge in liquids.

Also

S.S. 316L Enclosure
Standard 5 feet of interconnection
Teflon cable.
Output 4- 20 mA / 20- 4 mA
Built-in temperature compensation
RS485 communication for two point calibration,
diagnostics and data logging software
PLC compatible
Three Wire Operation

APPLICATIONS

Under liquid use, bottom up for pump control and
Top down for solid materials detection.

ENVIRONMENTAL

Temperature : Max 60°C / 140°F Continuous Operation
Pressure : 5 bar
Installation Category: Class II

OPERATIONAL

Accuracy : +/-0.10% of max. range
(in lab using 4-20 Ma current output)
+/-0.25% of max. range (typically in field)
Response Time: 2 - 3 echoes / sec.
Loss of Echo : Programmable from 1 min. to 4 min.
(Default = 1 min.)22mA or 2 mA output
Temp. Comp. : In transducer
Diagnostics : Echo Profile via communications port



TECHNICAL SPECIFICATIONS

MODEL	RANGE	RESOLUTION	MOUNTING
ABM300-148UMMC4-SSTEF	18" - 40 ft. 0.45 - 12.2 m	0.03" 0.7 mm	Clamp Mounting

MECHANICAL

Std. Interconnection Cable -Teflon coated, 3 Pair-
24AWG
Enclosure - 316 SS
- Submersible to 40 ft range or 5 BAR

ELECTRICAL SPECIFICATIONS

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

ELECTRICAL

- 1) Supply 12 - 30 Vdc 1 pair shielded (Red/Blk.)
- 2) Output 4 - 20 mA 1 Pair shielded (Blk./Green)
- 3) Comm. RS485 (optional) 1 Pair Shielded (Blk./Wht.)