

# Submersible Mini Monitor” Ultrasonic Transmitter”



**Model - ABM300-148UMMC4-SSTEF**



## FEATURES

Mini Monitor 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 inter-connection 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

## MECHANICAL

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

## 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.)

### TECHNICAL SPECIFICATIONS

RANGE	<b>18 inches - 40 feet</b> <b>0.45 m - 12.2 m</b>
RESOLUTION	<b>0.03 inches</b> <b>0.7 mm</b>
MOUNTING	<b>Clamp Mounting</b>

### 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