



# Level Devil

## ABM Ultrasonic Level Transmitter Model ABM300 4-20ma Output

### Description

The model ASM300 is a four wire, 24 VDC 4-20ma level transmitter based on the concept of ultrasonic pulse operating at 52 KHz/70KHz and mounts on top of tank looking downward. The time of flight is measured many times to construct an average of the true distance measured.

### Operations

A pulse of energy is sent out from the unit and is reflected by the top of the product. The energy that is reflected is detected by the unit and the distance to the level is calculated.

### Specifications

Temperature Range	-40 to +140 F (-40 to +60 C) Compensated
Pressure Range	15 psi Max
Output Signal	4.0 to 20 mA
Resolution	6.1 uA
Accuracy	± 0.25% of span
Lost Echo Hold Time	30 seconds then 22mA
Output Impedance	750 ohms
Filtering	Fixed
User Interface	1-button calibration
Operating Voltage Range	12 to 30 VDC
Operating Frequency	52KHz
Exposed Housing	PVC
External Housing	PVC-94VO
Weight	4.5 lbs
Height	10 inches
Conduit Fitting	1/2 inch NPT
Process Fitting	2 inch or 3 inch



### How To Order

Measurement Range	
ABM-300-052	11. inches to <u>50 feet</u> (0.28 to 15.24m)
ABM-300-070	9.6 inches to <u>30 feet</u> (0.24 to 9.14m)

SPECIFICATIONS SUBJECT TO CHANGE WITH OUT NOTICE

**Electronic Sensors, Inc.**

2063 south Edwards  
Wichita, KS 67213

Phone 316-267-2807  
Fax 316-267-2819

Toll Free 800-886-2511  
[www.LevelDevil.com](http://www.LevelDevil.com)