

SSI TECHNOLOGIES, INC ULTRASONIC LEVEL SENSOR COMPARISON GUIDE

Whatever your media and tank depth and profile, SSI probably has an ultrasonic liquid level sensor for you. Our ultrasonic liquid level sensors use ultrasonic technology to generate a high-frequency sound wave to measure the time for the echo to reflect off of the target and return to the ultrasonic liquid level sensor. The distance from the ultrasonic liquid level sensor to the fluid is calculated based on the speed of sound and the profile programmed into the sensor.



	DFT	FLUID-TRAC®	SMART 485	ACU-TRAC™
Maximum Tank Depth	Diesel Only 55 Gallon / 208 Liters Drum 32"/0.85 Meter	Diesel=32"/0.85 Meter Gas=24"/0.6 Meter	Diesel= 98"/2.5 Meter Gas=76"/1.9 Meter	Up to 118" / 3 Meter
Accuracy	2% of Drum Volume	+/- 0.125"	2% of Tank Volume	2% of Tank Volume
Resolution	+/-0.5 Gallons +/-1.89 Liters	0.07" 1.78 mm	0.04V (Voltage Part) 0.09mA (Current part)	0.04V (Voltage Part) 0.09mA (Current part)
Mounting Type	3/4" or 2" NPT Opening	SAE 5 Bolt	SAE 5 Bolt	3/4" or 1" Threaded SAE 5 Bolt
Output Type	LCD Display in Gallons/Liters	Resistive Emulation, Ratiometric Voltage, Non-Ratiometric	Ratiometric Voltage (.5-9.5V) Non-Ratiometric Current (4-20mA)	Ratiometric Voltage (.5-9.5V) Non-Ratiometric Current (4-20mA)
Supply Voltage	(2) 9V Alkaline or Lithium Batteries	12V (10-18V) 24V (10-30V)	12V (10 to 16V) 24V (11 to 34V)	12V (11 to 16V) 24V (11 to 34V)
Messaging	Digital Readout	n/a	RS-485 Serial Data Link	RS485 Burst Mode J1708 Standard Broadcast Fuel Data Broadcast Mode
Operating Temperature	0°C to +50°C +32°F to +185°F	-40°C to +85°C -40°F to +185°F	-40°C to +85°C -40°F to +185°F	-40°C to +85°C -40°F to +185°F
Storage Temperature	0°C to +50°C +32°F to +185°F	-50°C to +100°C -58°F to +212°F	-50°C to +105°C -58°F to +221°F	-50°C to +105°C -58°F to +221°F
Top Dead band	2" 5.08 cm	2" 5.08 cm	1 Meter = 4" / 10.16cm 2.5 Meter = 8" / 20.32cm	6" / 15.24cm