

SSI Technologies, Inc

Digital Fluid-Trac™

Ultrasonic Drum Level Gauge Overview

Product Description

Digital Fluid-Trac™ drum level gauge is a cost competitive noncontact continuous liquid level drum gauge. It is designed for use on vertical drums (≤ 32 inch depths) storing a wide variety of media such as water, waste water, motor oil, hydraulic fluid and diesel fuel. Updated features include multiple capacity drum sizes— 15, 30 & 55 Gallons or 57, 114 & 208 Liters.

The Digital Fluid-Trac™ drum level gauge is NOT intended for use with gasoline.

Measurement Technology

The Digital Fluid-Trac™ drum level gauge uses ultrasonic technology to generate a high-frequency sound wave and measures the time for the echo to reflect off the target fluid's surface and return. The distance from the Digital Fluid-Trac's sensor to the liquid is calculated based on the speed of sound.

The Digital Fluid-Trac™ has a LCD which continuously displays the liquid level pictorially as well as in gallon/liter. The liquid level is automatically updated every 15 minutes. The liquid level may also be manually refreshed anytime by pressing the on/off button until the back-light is illuminated. During this time, several readings are taken and then averaged for the displayed value.

Electrical Specifications

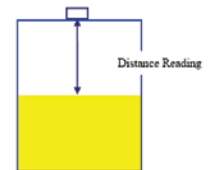
Resolution	0.5 gallons
Accuracy	1.0 gallons
Range	Up to 32 inches
Operating Temperature	0° C to 50° C
Battery Life—Alkaline	6 months w/2 level readings per day
Battery Life—Lithium	12 months w/ 2 level



Mounting

Digital Fluid-Trac™ works well on ANSI MH2 standard 55 gallon drums as it mates with closed-head standardized bunghole arrangements.

When using the Digital Fluid-Trac™, it is important to keep the mounting perpendicular to the liquid level by storing the drums in an upright position.



Electrical Interface

When the Fluid-Trac™ drum gauge is powered by two 9 volt batteries: not included, if the battery is low, “LoB” will continuously flash to notify the user to replace the batteries.

	DFT-110	DFT-200	DFT-210
Supply Voltage	9V Alkaline/ Lithium Battery	9V Battery or 24 Vdc External power	9V Battery or 24 Vdc External power
Output Type	LCD Display Only	LCD Display, 4-20mA output	LCD Display, 4-20mA output
Hole Fitting	3/4" & 2" Bung Hole	2" Bung Hole Only	3/4" Bung Hole Only

