



Beverages

Water

Oil & Chemicals

Transportation

## LEVELBEST™ COMPACT MOUNT SMART LEVEL SENSOR/TRANSMITTER

**Levelese™ Levelbest™ Compact Mount Level Sensor-Transmitter** has been specifically designed to accurately gauge diesel engine tanks. Features include:

- Reliable, accurate level measurement ranges from 4 inches through 166 feet.
- Internal temperature and zero compensation for improved reliability
- Inert HDPE sensing chain.
- Integral 4-20 mA smart signal transmitter operating on 10-26 or 5 VDC
- Digital communications & calibration over the 2-wire 4-20 mA signal loop

**Levelese continuous level monitors are:**

- Easy to install and maintain
- Highly reliable
- Without moving parts
- With wide rangeability from 4 in to more than 166 ft
- Demonstrably negligible sensing errors
- Operating in explosive, corrosive and extreme environments
- Independent of measured product

### HOW IT WORKS

Using the principal of buoyancy the **Levelese** level measuring system weighs an inert chain, secured below the fluid surface and determines the inverse of liquid level and converts it to an analog or digital electronic signal for indication, alarming or continuous or on-demand transmission.



### Applications:

- Diesel Engine Tanks
- Chemical, Fuel and Water Tanks
- Tight Fitting Locations
- Ideal for NFPA-30 Overfill Requirements

### Specifications:

- Level Ranges: 0-4 Inches to 0-166 Feet
- Suppressed Zero Ranges (Absolute depth of fluid does not affect the measured range)
- Integrally Mounted Electronics
- Innage or Outage (Ullage) Signals
- Accessable Test Probe Points For Easy Calibration
- Materials of construction: Low Copper Aluminum Powder Coated Body, Stainless steel, HDPE. Others depending on application
- Mounting: 2" NPT & Other
- Accuracy: Better than  $\pm 0.15\%$  FS
- Linearity: Better than 0.98% FS
- Hysteresis: Better than 0.03% FS
- Temperature: -40 to +80°C
- Power: 10-24 VDC @22 mA 5 VDC @ 20 mA
- Digital Communications for Calibration and Reading Over 4-20 mA Signal Loop
- Output/Display
  - a) 4-20 mA, 12-24 VDC Excitation
  - b) Wireless

### Accessories:

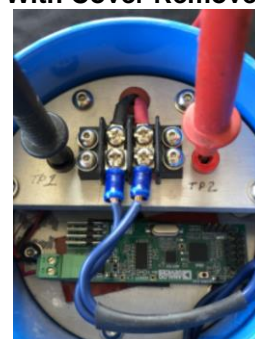
Stilling Wells  
100Ω Pt 385 RTD  
Bar Graph and Digital Displays

### COMPACT MOUNT TRANSMITTER



Installed on Diesel Engine Tank

### With Cover Removed



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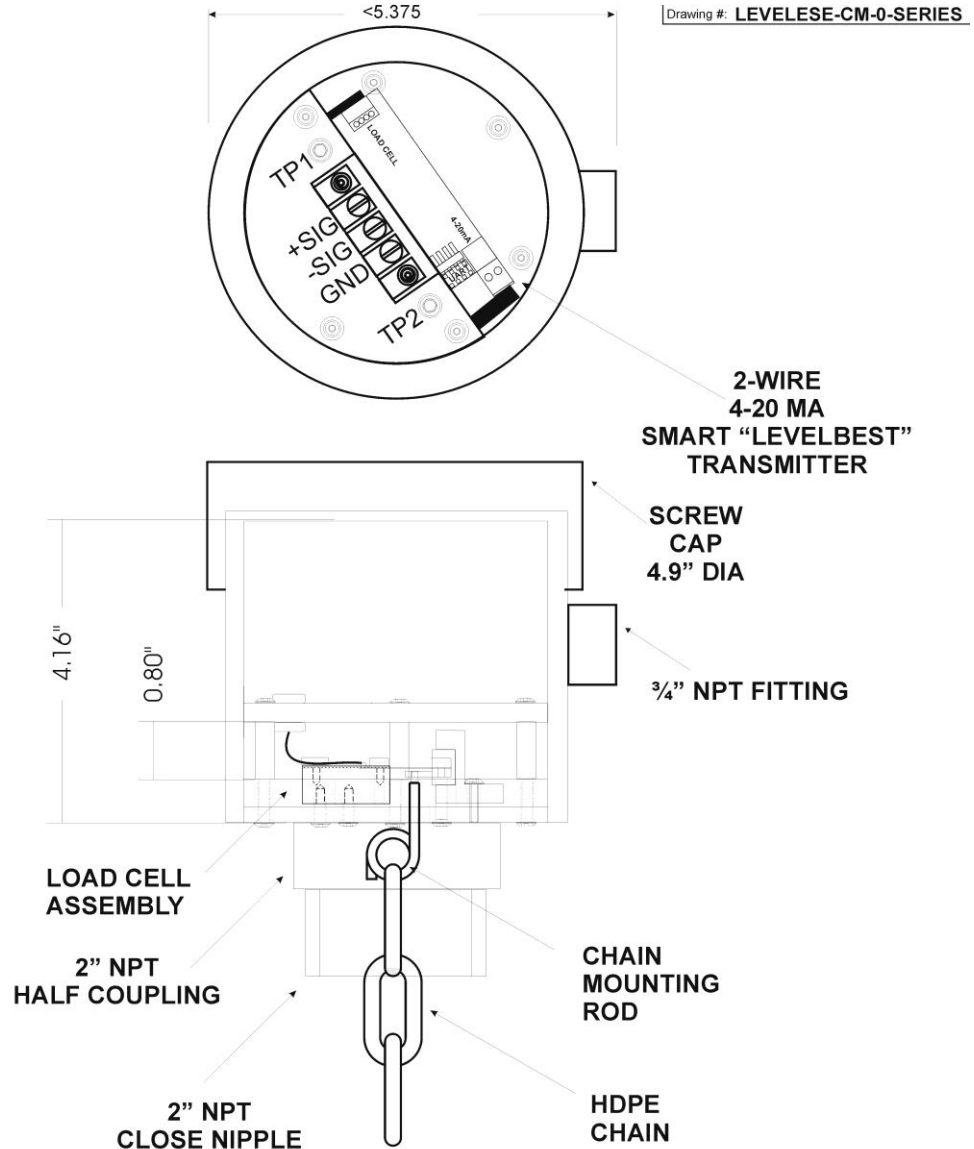
**LEVELBEST™ COMPACT MOUNT SMART LEVEL SENSOR/TRANSMITTER**

HOW TO ORDER	Body	Output	Pwr	Mount	Cal	Description
LEVELESE CM LEVEL SENSOR	0					Levelese continuous liquid level transmitter, complete with 1-1/2" HDPE chain, 2" NPT" Coupling and 2"NPTX4" CS Nipp[le Low Copper Aluminum Body, Integral Electronics Enclosure
						Accuracy: Better than +/-0.15% FS
						Linearity: Better than 0.98% FS
						Hysteresis: Better than 0.03% FS
						Temperature Range: -40 to +80 Deg C
		0				4-20 Integral Analog 4-20 mA Transmitter Smart Transmitter
			0			10-26 VDC Power (by others)
			1			5 Vdc Power (by Others)
				0		Screw Mount, 2" NPT Coupling
				1		Screw Mount, 1" NPT Coupling
				1.5		Screw Mount, 1.5" NPT Coupling
				5		SAE 5-Bolt Flange Mounting
					0	2 Point Level Standard Calibration in Water
					5	5 Point Level Standard Calibration in Water
					9	Other Calibration (Specify)



**LEVELBEST™ COMPACT MOUNT SMART LEVEL SENSOR/TRANSMITTER**

Levelese, Inc.



- Levelese-CM-0-0-0-0-0-0 Compact Mount liquid level sensor, complete with**
- A. 1-1/2" HDPE chain, 2" NPT Mounting Fitting, Low Copper Aluminum Body, Integral Electronics Enclosure.
  - B. 2-Wire 4-20 Integral Analog 4-20 mA Transmitter, 12-26 VDC
  - C. Standard Integrally Mounted Single Compartment Enclosure,
  - D. 10-24 VDC Regulated Power Supply (by Others)
  - E. Standard 2" NPT Screw Mounting
  - F. OVERALL DIAMETER < 5.375", OVERALL HEIGHT < 7.5"
  - G. 2 Point Level Standard Calibration in Water
  - H. FOR REFERENCE ONLY
  - I. GENERAL REVISIONS 09-15-20

LEVELESE-CM-0 SERIES LEVEL SENSOR			These Drawings and specifications contain information proprietary to Levelese, Inc. and are issued in strict confidence. As the property of Levelese, Inc., these drawings and specifications shall not be reproduced, disclosed to others or used as the basis for the manufacture or sale of goods without prior written consent of Levelese, Inc. The date shown on this drawing is the copyright date.
Description:			
Material:			
Drawn By: SAO	Date: 09-17-20	Checked by: SKIP	
			Phone: 303-585-1890 Tolerances +/- 0.005", L +/- 1 DEG