

encore

Liquid Volume Sensor

LVS20K



ThingsNET®

- 99% Accuracy Over Full-Scale
- Hydrostatic Level Sensing Technology
- Ideal For Remote Fuel Monitoring

- 99% Accuracy over full scale
- Hydrostatic Level Sensing Technology
- Industrial Design with High Speed μ Controller & Superior Software Capabilities
- Volume Calculation Based on Various Tank Types
- Available for a wide range of Depth /Volume Sensing
- Ruggedized & Tamper Proof Construction
- RS-485 Communications Port for Sensing and Configuration
- Industrial operation temperature range
- 7-Segment & LED indications
- Reliable Fuel Level Sensing Solution for Both Internal & External Fuel Tanks
- Easy configuration software
- Ambient & Internal temperature sensor
- Remotely & Locally Configurable

The LVS20K Liquid Level Sensor is one of the most advance liquid level & volume sensor which offers a superior accuracy and sensing resolution than any other competitive product. The LVS20K also calculates volume based on varioustypes of fuel tanks and compensates for Ambient temperature and Pressure.

LVS20K sensor level is the full stainless steel construction and full-sealed with IP67 rating. It is a very intelligent level transmitter with superior accuracy compared to competitive products. It uses highly reliable and stable pressure sensor, intelligent micro-processing circuit, precise digital temperature compensation and linearity correction techniques for production.

The water-proof cable connects with housing sealed, with vented tube, to the sealed plastic ruggedized display unit. With long term sensor head stability it makes LVS20K ideal for small to large scale fuel tanks. It communicates using DxBUSTM Protocol via 2-wire current loop serial interface. Compact size, light weight and easy installation and operation.

Models

LVS020K	Depths of up to 20Kpa ~approx 2meters
LVS050K	Depths of up to 50Kpa ~approx 5meters
LVS100K	Depths of up to 100Kpa ~approx 10meters

Specifications

Operation voltage	12VDC ~ 36VDC
Stability	±0.2%FS/year
Total power consumption while operating	0.5 Watts max (At Full Power)
Display	7 Segment Display for Volume and Percentage
Status	Indication LEDs
Configuration	Interface Software
Output	RS485 communication interface (DxBUSTM) RS485 communications interface (MODBUS) Special requirement available
Operating temperature	-20 ~ +85°C
Storage temperature	-40 ~ +125°C
Compensation Temperature	-10 ~ +70°C

Dimensions - Display Unit (H × W × D)	150mm × 55mm × 40mm
Dimensions - Sensor Head (H × D)	37mm × 24mm
Weight (shipping)	~500g
Shipping dimensions (H × W × D)	250mm × 250mm × 100mm
Mounting	Standard 3/4" pipe mounting
Shock	20g, 20Hz ~ 5000Hz
Impact	20g, 11mSec
Protection	IP67 (Sensor Part), IP65 (Junction Box & Display) Diaphragm Stainless Steel 316L



"*Encore ThingsNET* provides easy-to-use visibility and control options; which makes us capable of providing the most perfect corporate solutions by maximizing service efficiency. Our prized RMS is a complete IOT solution that brings together people, processes, data and things; to make networked connections more relevant and valuable than ever before!"



"*Encore StoreBOX* provides incomparable longevity and optimization statistics. The embedded microcomputer intelligence, along with our sophisticated proprietary algorithm that goes in each unit, makes us stand out from the rest of the herd. With extensive R&D, we unravel storage solutions that are better than anything out there!"



"*Encore PoweredON* is the energy centric platform of our organization. Our smart product designs offer fully featured devices with the most efficiently designed footprints. Mixing this up with our state-of-the-art proprietary algorithm and our relentless R&D towards innovating renewable energy systems, we provide the most optimal power solutions.



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