



LG-400 SERIES



TANK LEVEL GAUGE

LG-400

IN PROCESS TO EXCELLENCE

Specifications

Level Measuring Range	up to 13000 mm
Level Measuring Accuracy	±0.5 mm
Level Measuring Resolution	0.1 mm
Factory Calibration	Calibration certificates supplied as standard
Process Temperature Range	-40°C to + 85°C (-40°F to +185°F)
Temperature Accuracy	±0.2°C
Temperature Resolution	±0.1°C
Digital output	Standard: Rs485, Modbus or user choice of signals and protocols
Ambient Temperature Range	-40°C to +85°C (-40°F to +185°F)
Weather Rating	IP68
Quality Assurance	ISO 9001:2015; EN 61326 ; EN50111;
Implosion protection marking	ATEX II 1/2G Ex ia IIB T4 ;

Advantages

- Can operate in open or pressurized tanks
- Hazardous area approvals
- Rigorous factory calibration and testing
- Data monitoring at industrial level monitor consoles up to 28 tanks
- Complete automation software package
- Measure volume of empty portion of tank in litres (Ullage)
- Alarm signals, customized units of measuring

The operation principle of magnetostrictive level probes is based on the principle enominated Wiedemann effect and allows a continuous and highly accurate reading of the level of liquids inside a tank.

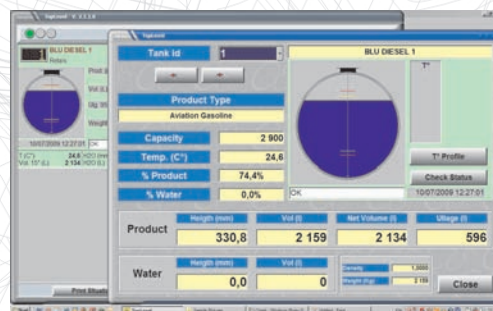
Magnetostrictive level gauges: high resolution digital measuring, no recalibration required. Only one probe for measuring product, water and average temperature for tanks up to 13 meters high. Easy maintenance. Internal detector can withdrawn without removing probe from tank. Robust construction, submersible IP68. Serial bus RS485/MODBUS technology for easy installation: allows for connection of all sensors in the field with a single cable and recognize them with a univocal identification code. Able to manage up to 64 tanks with the possibility to interface with all major management systems. Top level software with system set-up module. Tank leak detection, data recording, reconciliation functions. Product level indication, real as well as compensated volume at 15°C, ULLAGE, average temperature, alarm status and diagnostics.

Accessories: relais boards, GSM/GPRS modem, wireless radio, printer, interstitial and sump sensors in explosion proof ATEX protection.

Level monitor console up to 28 tanks



Software



LG-400

Applications

- Level monitoring in storage tanks
- Petroleum products
- LPG tanks
- Filling stations

Top level software easy system set up through configuration software: probe address setting out, alarms management, offset, zero beside the introduction of unlimited number of points in tank comparison tables. Graphic visualization up to 64 tanks: product level, real and compensated volume, temperature, water detection, loading, unloading, stocks, leak detection and monitoring, sump and cavity status, contemporary management of unlimited number of remote seats via internet/GSM - GPRS, telediagnosics and telemaintenance.

For more information please visit www.lemis-usa.com



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