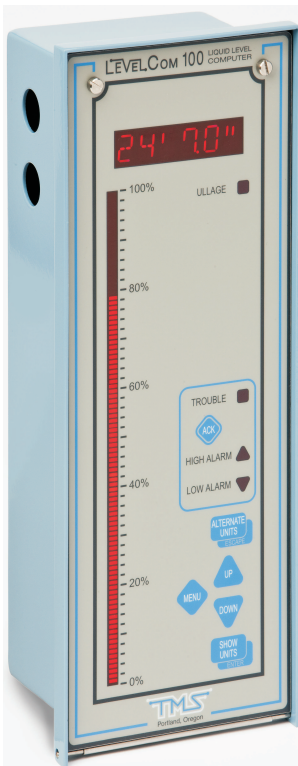


# LEVELCOM®

Liquid Level Computers

## LC-100 Tank Level Gauge

Hydrostatic Pressure Liquid Level Indicator



### Specifications

#### Depth Ranges (4):

0 to 180 feet (54.9 meters)

#### Power Options:

120VAC; 240VAC; 24VDC

#### Communication Options:

RS 422/232 Modbus, Profibus, Devicenet

#### Equipment Options:

Analog Output 4-20 mA  
Automatic Specific Gravity  
Differential Pressure  
Alarm Control Relay Module  
Digital Repeater communication

### Applications

**Marine...** Fuels, Oils, Bilge, Water, Sludge, Cargo, Ballast,

**Industrial..**Process Control of Acids, Foaming Liquids, Slurries, Chemicals, Suspended Solids, Aggressive Media, Viscous Liquids

**Civil ...** Wastewater, Well Monitoring, Run Off, Environmental Monitoring

**Engineered to provide accurate, reliable measurements in all shapes of tanks.**

The LC-100 is the workhorse for difficult applications in water, fuels, oils, acids, viscous liquids, slurries and many other fluids. The LC -100 is a rugged performer that provides level monitoring in conditions where other technologies are costly, problematic or have a short life expectancy.

The LC-100 measures tank levels without the need for a cable or transducer in the tank, eliminating common failure points while providing accurate fluid level readings and dependable performance with greatly reduced maintenance costs.

The LC-100 utilizes LevelCom's **"Advanced Bubbler Technology"** combining computer with pulsed bubbler technology enabling automated operating cycles, SCADA and self diagnostic capabilities.

The LC-100 calculates and displays desired units of measure, (depth, volume or weight) on the digital display and as a range of 0 to 100% on the bar graph. All values, tank tables and alarm set points can be displayed in English / Metric units.



# LevelCom LC-100 Tank Level Gauge

## Features:

- Robust proven design
- Real Time readings
- Field Configurable
- Self diagnostic
- Displays depth, weight and volume
- Multiple alarms and set points
- Applicable in all shape tanks, no custom scales required
- Can be panel mounted in gangs for multiple tanks
- Interfaces with existing control and information systems (SCADA)
- Three power options

**Design Standard:** The LevelCom 100 has been designed to meet the requirements of 46 CFR 62.25-30 and the American Bureau of Shipping (ABS) 1994 Rules for Building and Classing Steel Vessels, Part 4-Machinery Equipment and Systems.

**Approvals:** US - **UL 916** - Process Control Equipment, File E185105  
Canada - **CUL C22.2** No. 142-1987,  
**ABS Type Approval**, Certificate PO16589-X

**Power:** 115VAC / 100mA / 60Hz - Fuse: 2A, 24VDC / 500mA – Fuse: 2A

**Supply Air:** Regulated pressure varies with input sensor range. Filtered to 40 microns

**Temperature:** Operating range: -10° F to +140° F (-23.33° C to +60° C)

**Humidity:** 5 - 95% RH non-condensing

**Enclosure:** UL listed as "Rain tight / Indoor use only". NEMA 4; Constructed of .090" 5032 H32 powder coated aluminum alloy. All fasteners are 304 stainless steel

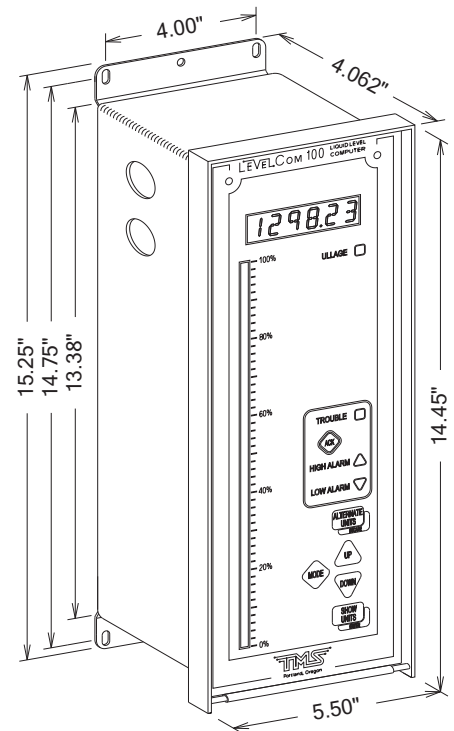
**Dimensions:** 14.5" (37cm) H x 5.5" (14cm) W x 3.8" (9.6cm) D

**Alarm Set points:** Four (4) programmable internal set points (Relay option required for remote alarm activation)

**Control Set points:** Four (4) programmable set points (Control 1 & 2 On/Off) (Relay option required)

**Security:** User defined 1 - 9 character password protection

**Options:** Alarm/control relays: 2 - SPDT "Form C" relays (contacts rated "Pilot Duty"); Specific Gravity; Differential Pressure; Analog output 4-20mA output; Communications: RS232 / RS422 / RS485 / Modbus RTU; Integral piezoelectric alarm horn



Technical Marine Service  
6040 N. Cutter Circle,  
Suite 302  
Portland, OR 97217

P: 503-285-8947

F: 503-285-1379

E: [info@tms-usa.com](mailto:info@tms-usa.com)

[www.levelcom.net](http://www.levelcom.net)

[www.tms-usa.com](http://www.tms-usa.com)

© 2010 TMS, Order Item #LC100-10