

# EFCLC-100 TANK LEVEL INDICATOR



**THE EFCLC-100 IS ONE OF THE MOST ACCURATE, RELIABLE AND LONG LASTING TANK LEVEL INDICATORS TO BE USED WITH VESSEL SENSE LINES.**

The EFCLC-100 is a microprocessor based pulsed bubbler, not to be confused with older style continuous flow machines. It eliminates costly replacements and inconsistent readings that can be found in submersible pressure transducers and other level monitoring technologies. The LC-100 is the workhorse for all marine level monitoring applications, especially well-suited for irregular ship tank shapes and harsh conditions. The LC-100 has automated operating cycles, alarms & controls, the 'Advanced Bubbler Technology', allows the unit to automatically monitor level, zero the sensor, purge and perform self diagnostics on both pneumatic and electronic components.

Only the stationary bubbler tube and the purge gas come in contact with the liquid, making this system ideal for applications involving hazardous, corrosive, liquids and slurries.

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DESCRIPTION	SPECIFICATION
Alarms	High to low, 4-off set points
Displays	Depth, Weight or Volume- (English or Metric)
Installation	<ul style="list-style-type: none"> <li>• Connection to air supply</li> <li>• Electrical power source</li> <li>• Bubbler Tube</li> </ul>
Normal Mode	Automatically zeros it's sensor to atmosphere every 30 minutes.
Purged	At regular intervals to keep the line clear.
Analog Output	4-20 mA
Certification	ABS Type Approval , UL Listing, DNV Compliance
Power	120VAC / 100mA / Fuse — 2A; 24 VDC / 500mA / Fuse—2A; 240VAC
Supply Air	Regulated pressure varies with input sensor range.
Operating Temperature	-20° F to +140° F
Enclosure	UL listed NEMA 3R - Powder coated aluminium alloy with 304 stainless steel fasteners
Fittings	Brass or 316 Series Stainless Steel
Documentation	User Manual (UM) & Manufacturing Databook (DB)
Warranty	2 years, extendable to 5 years with annual inspection
<i>NB: technical data may be subject to change</i>	

FEATURES	BENEFIT
<b>Advanced Bubbler Technology</b>	<ul style="list-style-type: none"> <li>• Measures liquid levels without the need for a sensor, cable or transducer in the tank</li> <li>• Eliminates the most common failure points</li> <li>• Provides accurate fluid level readings</li> <li>• Provides reliable performance</li> <li>• Reduces maintenance costs</li> <li>• Purge &amp; perform self diagnosis on both pneumatic &amp; electronic components of the system</li> </ul>
<b>Valved Manifold &amp; Onboard Electronics</b>	Accurately monitors liquid levels with a minimum of air usage.
<b>Programmable Specific Gravity</b>	Versatility to be used in all types of liquids, including drill mud.
<b>Irregular Tank Shapes</b>	Monitored via programmable tank table.
<b>Warranty</b>	2 years, extendable to 5 years with annual service visits
<b>Network Communication Options</b>	Analog Output (4-20mA), Modbus, Profibus & Ethernet
<b>Mounting</b>	Above Tank, eliminating costly tank cleaning. Maintenance and service quicker, safer and more economical.
<b>Self Diagnostics</b>	Monitors & Alarms for both pneumatic and electronic faults.

## Expandability

- Ballast Control
- Rig or Vessel Draft Indication
- Fuel Oil—DFM
- HFO, JP2, JP5
- Liquid Cargo
- Wastewater (gray & black)
- Lube Oil, Bunker Oil
- Drill Water
- Dry Docks



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