
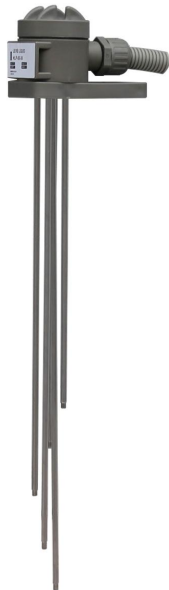


**LC Series**

# Liquid Level Control

## Conductive Liquid Level Control

 <b>cULus and CE</b>		<ul style="list-style-type: none"> <li>◆ Automated control, consistent liquid levels, leak detection in most conductive processes.</li> <li>◆ Adds protection against damage and tank fires associated with low-level conditions.</li> <li>◆ For use in most aqueous processes and waste treatment tanks.</li> <li>◆ NEMA 1, IP21 flame retardant, polypropylene Box.</li> </ul>
<p>316 stainless steel, titanium, Hastelloy C<sup>®</sup> and graphite tipped Hastelloy probe materials</p>		

LC SERIES, LIQUID LEVEL CONTROLS							
PROBE MODEL NUMBER	PROBE LENGTH In./(mm)	NUMBER OF PROBES	+	CIRCUIT BOARD ONLY	OR	ELECTRONICS IN ENCLOSURE	SHIP WGT. Lbs./(kg)
LP-2(*)6	6 (152)	2		LC		LCBA5	3 (1.5)
LP-2(*)12	12 (305)	2		LC		LCBA5	3 (1.5)
LP-2(*)18	18 (457)	2		LC		LCBA5	4 (2)
LP-2(*)24	24 (610)	2		LC		LCBA5	4 (2)
LP-2(*)30	30 (762)	2		LC		LCBA5	5 (2.5)
LP-2(*)36	36 (915)	2		LC		LCBA5	5 (2.5)
LP-2(*)48	48 (1220)	2		LC		LCBA5	6 (3)
LP-3(*)6	6 (152)	3		LC		LCBA5	3 (1.5)
LP-3(*)12	12 (305)	3		LC		LCBA5	3 (1.5)
LP-3(*)18	18 (457)	3		LC		LCBA5	4 (2)
LP-3(*)24	24 (610)	3		LC		LCBA5	4 (2)
LP-3(*)30	30 (762)	3		LC		LCBA5	5 (2.5)
LP-3(*)36	36 (915)	3		LC		LCBA5	5 (2.5)
LP-3(*)48	48 (1220)	3		LC		LCBA5	6 (3)

\*Specify probe material: S = stainless steel, T = titanium, H = hastelloy C<sup>®</sup>, G = graphite-tipped fluoropolymer (PTFE) covered standard.

# Features & Values

- ◆ Provides automated control and consistent liquid levels in most conductive aqueous processes, waste treatment tanks and when leak detection is required.
- ◆ Adds protection against damage and tank fires associated with low-level conditions.
- ◆ Two probe units: for single point control. Multi probe units: for two-point ESPV model: for direct immersion applications.
- ◆ Fluoropolymer (PTFE) covered: 316 stainless steel, titanium, Hastelloy C<sup>®</sup> and graphite tipped Hastelloy probe materials. Lengths: up to 48 inches (1220mm) standard. Field trimmable (except graphite probes).
- ◆ Control enclosure: gasketed NEMA 1, IP21 flame retardant, polypropylene box with stainless steel hardware.
- ◆ Probe enclosure: vapor tight, flame retardant, polypropylene head with 10-foot (3m) flexible cord and quick connect plug for easy connection to remote circuitry.
- ◆ NOTE: Do not use in flammable solutions or in the presence of flammable gases. Does not function in deionized water, oil or other non-conductive solutions.

Specifications		Dimensions
<b>Capacities</b>	<ul style="list-style-type: none"> <li>◆ Relay rating: 10-amps at 120 to 240 volts, 50/60Hz.</li> <li>◆ single pole, double throw.</li> <li>◆ Sensing output: 14.5 VAC.</li> <li>◆ Ambient temperature range: 0°F (-18°C) to 104°F(40°C).</li> <li>◆ Maximum solution resistance: 70,000 ohm-CM.</li> <li>◆ Single phase only.</li> </ul>	
<b>Options</b>	<ul style="list-style-type: none"> <li>◆ Probe lengths up to 20-foot (6m).</li> <li>◆ LC circuit board can be pre-wired into combination controls.</li> <li>◆ Fluid stilling chambers.</li> <li>◆ Longer probe cords.</li> <li>◆ Probe cord extensions for existing units.</li> <li>◆ 4, 5 or 6-probe devices for multiple level control applications.</li> </ul>	
<b>Safety Features</b>	<ul style="list-style-type: none"> <li>◆ Ground connection on circuit board.</li> <li>◆ Minimal AC sensing current has no affect on plating processes.</li> </ul>	

## Model Number Breakdown

Probe Assembly Only Field Trimmable			Fill In for Non-trimmable probes (Graphite only)						Electronic Assembly Only	
LC Probe Series	Number of Probes	Probe Material	Reference Probe "C" Length (inches)*	Probe 2 Length (inches)*	Probe 3 Length (inches)*	Probe 4 Length (inches)*	Probe 5 Length (inches)*	Probe 6 Length (inches)*	Cable Length	Electronics
LP	2	S = 316 Stainless Steel	1 - 96"	1 - 96"	1 - 96"	1 - 96"	1 - 96"	1 - 96"	(Blank) - 120"	LCBA5 = electronics in plastic enclosure LC = level switch circuit board only.
	3	T = Titanium							-X121-240"	
	4	H = Hastelloy C <sup>®</sup>								
	5	G = Graphite (not field trimmable)								
	6									