



LC Series

Liquid Level Control

Conductive Liquid Level Control

 cULus and CE		<ul style="list-style-type: none"> ◆ Automated control, consistent liquid levels, leak detection in most conductive processes. ◆ Adds protection against damage and tank fires associated with low-level conditions. ◆ For use in most aqueous processes and waste treatment tanks. ◆ NEMA 1, IP21 flame retardant, polypropylene Box.
<p>316 stainless steel, titanium, Hastelloy C[®] 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[®], 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[®] 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
Capacities	<ul style="list-style-type: none"> ◆ Relay rating: 10-amps at 120 to 240 volts, 50/60Hz. ◆ single pole, double throw. ◆ Sensing output: 14.5 VAC. ◆ Ambient temperature range: 0°F (-18°C) to 104°F (40°C). ◆ Maximum solution resistance: 70,000 ohm-CM. ◆ Single phase only. 	
Options	<ul style="list-style-type: none"> ◆ Probe lengths up to 20-foot (6m). ◆ LC circuit board can be pre-wired into combination controls. ◆ Fluid stilling chambers. ◆ Longer probe cords. ◆ Probe cord extensions for existing units. ◆ 4, 5 or 6-probe devices for multiple level control applications. 	
Safety Features	<ul style="list-style-type: none"> ◆ Ground connection on circuit board. ◆ Minimal AC sensing current has no affect on plating processes. 	

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 [®]								
	5	G = Graphite (not field trimmable)								
	6									