

ULTRASONIC SENSORS

(air bubble, point level, continuous level monitoring)



STANDARD CONTACT POINT LEVEL



LL-01

Type	Gap
Unique Features	<ul style="list-style-type: none"> • All 316L SS • Integral electronics • Miniature threads • No adjustment for viscosity, density
Input	5 - 30 VDC
Output	<ul style="list-style-type: none"> • 30 V, 3 W relay • Analog 4 - 20 mA power loop
Pressure Range	250 psi
Operating Temp.	-30°C to 80°C
Actuation point	0.25 inches
Process Connection	1/4"NPT and 1/2"NPT
Cable	1, 4, 10, 20 feet
Approvals	CE
Typical Applications	Medical waste tanks, histology processors, compressors, chillers, coolant reservoirs



LL-10

Type	Tip
Unique Features	<ul style="list-style-type: none"> • All 316L SS • Integral electronics • No adjustment for viscosity, density
Input	5 - 30 VDC
Output	<ul style="list-style-type: none"> • 1 A SPDT • Analog 4 - 20 mA power loop
Pressure Range	1000 psi
Operating Temp.	-30°C to 80°C
Actuation point	Custom (2.25, 6, 12, 18, 24 inches)
Process Connection	3/4"NPT
Cable	1, 4, 10, 20 feet
Approvals	CE
Typical Applications	Hydraulic reservoirs, storage tanks, pipe lines, sewage systems

AIR-BUBBLE AND NON-INVASIVE POINT LEVEL



AD-101

Type	Non-invasive
Unique Features	<ul style="list-style-type: none"> • Detect minimum bubble size of 70% ID • Immune to EMI/RFI • Acoustic coupling agent not required • Continuous self testing • LED indicator
Input	5 - 24 VDC standard
Output	TTL & Open collector
Pressure Range	Atmosphere
Operating Temp.	0°C to 40°C
Actuation point	—
Process Connection	—
Cable (Inches)	12
Approvals	-
Typical Applications	Infusion pumps, dialysis machines, semi-conductor equipment, 3D printing



SL-630

Type	Non-invasive
Unique Features	<ul style="list-style-type: none"> • Stick on dry contact • Point level detection
Input	5 - 24 VDC
Output	TTL (High), dry condition
Pressure Range	Atmosphere
Operating Temp.	-30°C to 70°C
Actuation point	Variable
Process Connection	Reusable sensor, disposable tape
Cable (Inches)	12
Approvals	CE
Typical Applications	Chromatography, chemical analyzer, hemodialysis, reagent vessels

CONTACT MULTI-POINT LEVEL



SL-900

Type	Contact
Unique Features	<ul style="list-style-type: none"> • Miniature • 10 μRA electropolished finish • 316 LSS body • Designed for high purity market
Input	Variable
Output	Dual color LED and ½ A relay
Pressure Range	250 PSIG
Operating Temp.	-30°C to 93°C
Actuation point	Variable
Process Connection	1/2", 3/4" VCR, male/female
Cable (Inches)	Up to 24" shielded with strain relief, 9 pin connector
Approvals	NEMA 1 housing
Typical Applications	Pharmaceutical and semiconductor industries, high pressure vessels

CONTINUOUS LEVEL



ML

Type	Continuous transmitter through air
Unique Features	<ul style="list-style-type: none"> • Non-contact • Remotely mounted • 316 SS or epoxy sensor material • Configurable via RS-232
Input	24 VDC
Output	RS-232, analog, relay setpoints
Pressure Range	Atmosphere
Operating Temp.	-30°C to 70°C
Sensing Range	0.5" to 5" inches
Process Connection	—
Accuracy	±0.0075"
Elect Connection	Terminal block
Approvals	NEMA 1 housing
Typical Applications	Microplate well level, test tubes and vials, bottle fill level, surface flaw detection