

L100 Bubble Tube Liquid Level System

Precision Transmission of Liquid Level in Open Tanks

Specifications

Ranges	0-50 inches water to 0-115 feet water or equivalent, full scale
Gas Input	1.0 to 7.0 SCFH, regulated on-board to a pressure between 120% or 3 psi, whichever is greater, and 200% of full scale liquid head. Maximum blow-down pressure is 150 psi. Maximum on-board regulated pressure is 60 psi
Electrical Input	Using P200: 10-42 VDC
Electrical Output	P200: 2 wire, 4-20mA into 700 Ω at 24 VDC or 2 wire, 10-50mA into 280 Ω at 24 VDC
Accuracy	$\pm 0.25\%$ of span guaranteed; $\pm 0.20\%$ of span typical. Includes combined effects of linearity, hysteresis and repeatability errors.
Sensitivity	$\pm 0.02\%$ of span guaranteed
Repeatability	$\pm 0.10\%$ of span max; $\pm 0.05\%$ of span typical
Operating Temperature	30°F to 161°F
Thermal Sensitivity	Span: 0.007% of span per °F guaranteed Zero: 0.007% of span per °F guaranteed
RFI/EMI Effect	Meets or exceeds SAMA PMC 33.1, 1978, 2-abc: 0.1% of span at 10 volts/meter
Environmental	P/I is NEMA 4X and explosion proof, standard. Entire plate assembly fits in an optional NEMA 4X enclosure for further protection.
Available Options	NEMA 4X enclosure with or without digital readout, remote analog readout, auto purge