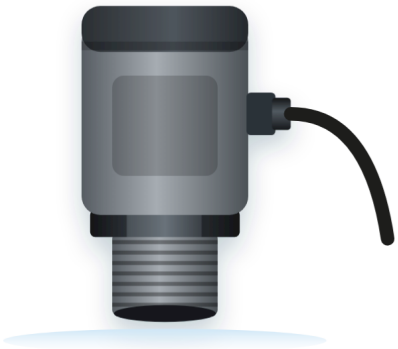
Fluid Sensors
Level Sensor Ultrasonic

Detailed Technical Data
Model: USL Series

Features

Medium	Water/fluids/storage and sludge tanks
Sensor type	Ultrasonic
Housing MOC	PVDF transducer / polycarbonate
Environment rating	IP68 / NEMA 6P
Process connection	1” to 2” MNPT based on model
Range (Ft)	0’ to 32’-range based on model selected
Pressure	30 psi
Environment type	Non-hazardous
Beam	Narrow, 2” – 3”
Purpose	General use / industrial



Mechanical

Wetted parts	PVDF
Process connection	1” to 2” MNPT
Mount gasket	Viton
Approvals	CE, RoHS, FM
Enclosure vent	Water tight membrane
Wiring	Shielded, 2-wire
Location	Vertical, top

Electronics

Supply voltage	14-28 VDC
Power consumption	≤ 75mA @ 24 VDC
Output signal	4-20mA, 2 wire
Temperature compensation	Automatic
Power source	Loop powered
Setup method	PC, wire FOB and software provided

The USL series ultrasonic liquid level sensors replace other ultrasonic level sensors in condensation applications, as well as float, conductance and pressure sensors that fail due to contact with dirty, sticky and scaling media in small, medium and large capacity tanks. Applied in chemical, water and wastewater applications, these general purpose or intrinsically safe non-contact sensors are available with single and multi-function capabilities, including continuous level measurement. The standard 4-20 mA output is easily accepted by the Intell-i-Watch monitor systems or Intell-i-Touch system control platforms. Models with four relays can be configured for level alarms and/or standalone level control such as automatic fill or empty functions. PC configuration of all models is simple with provided software.

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