

Non-Contact, Ultrasonic Level Measurement Gauge for Liquids

SmartLite™ is a non-contact ultrasonic gauge, part of Solid AT' line of ultrasonic products, for continuous level measurement of liquids in ranges of up to 10 meters (32 ft). SmartLite™ is a four-wire, low-voltage device, available with a customized graphic LCD display and two SPDT relays. SmartLite is comprised of two major components, the main control unit and the sensor (connected via a cable), designed for applications such as process tanks, storage vessels, open air piles, and more. Moreover, SmartLite™ is approved for installation in hazardous areas in which explosive atmospheres caused by mixtures of air and gases, vapors or mists are present continuously. SmartLite™ provides accurate measurement while automatically compensating for changes in temperature and other environmental conditions.



Advantages

- Cost-effective
- Accommodates various types of liquid applications
- Very easy to install
- Fast set-up and run time

Features

- Up to 10 meters (32 feet) measurement range
- 2 independent SPDT relays
- Sensor ECTFE coated
- Digital connection via RS232/RS485, Modbus

Applications

- Water & Waste water
- Chemical processes
- Petrochemicals
- Food & Beverage industries
- Pharmaceuticals
- Pulp & Paper industries



Data Sheet SmartLite™

Model	SmartLite™
Application	Liquid (R)
Measuring Range	0.6 - 10 m (2 - 32 ft)
Measurement Accuracy	0.25% of measuring range
Resolution	1 mm (0.04 inch)
Power Supply	18-30VDC (0.25A max) or 100-240VAC, 50/60Hz, 70mA
Load	750 ohm @ 24VDC
Current Output	4-20 mA, 4 wire
Housing Type	Two-parts
Housing Material	ABS + UV
Mounting Option	1" NPT/1" BSP or 2"NPT/2" BSP
Temperature Range	-40°C to +60°C (-40°F to +140°F)
Ambient Compensation	Integral
Enclosure Rating	IP65 / IP 67
Beam Angle	5° @ 3db point
Sensor Type	25KHz
Operating Temp'	-40°C to +80°C (-40°F to +176°F)
Sensor material	Coated Aluminum (ECTFE)
Sensor Housing	PP/PVDF
Display	LCD
Communication	RS232/RS485
Interface	Modbus
Relays	2 Independent SPDT
Weight	1.5Kg (3.2 lb) including sensor
Enclosure Dimensions	246 mm x 200 mm x 84 mm
Sensor Dimensions	Up to 143.7mm x 70mm x 84.7mm
Extension Cable Length	Up to 200m (656 ft.)
Certifications	CE, FCC, CSA, FM, ATEX



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Specifications are subject to change without notice

