

2852-LT / 2851-LT Remote Mount Level Monitor



Reliable level monitoring of liquids and solids for measurement and control

Over 40 years of capacitance experience stands behind the 2852-LT level monitor. The unit continuously monitors the liquid or solids level in a tank, stand-pipe or containment. Outputs include analog, digital, and relay control for interface to alarms, valves, pumps and other process monitoring equipment.

- capacitance technology does not foul or require routine cleaning
- no moving parts
- remote monitor mounts away from the process for operator safety and ease of control wiring.

The 2852-LT sensing probe monitors the capacitance field around the probe. As the product rises in the tank or vessel the probe capacitance increases. This change is used to provide a 4-20 mA proportional output and two setpoint alarm relays.



explosion proof head



3/4" npt 316SS process connection

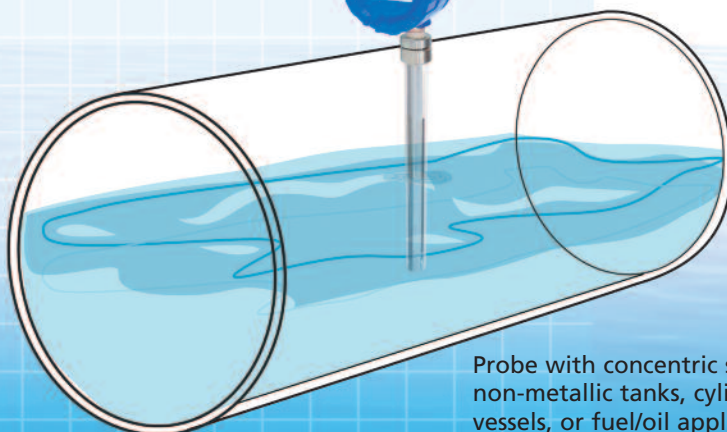
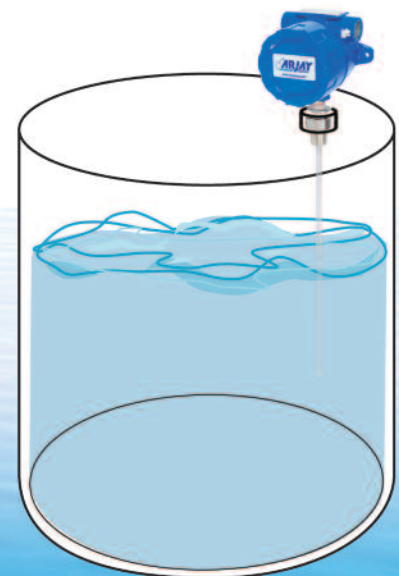


optional alarm light and/or buzzer

Remote Electronics available in painted steel, SS or polycarbonate enclosure

Teflon sensing probe

up to 1 km



Probe with concentric shield for non-metallic tanks, cylindrical horizontal vessels, or fuel/oil applications

2852-LT

Features and Benefits

- no moving parts
- remote electronics via standard twisted pair
- explosion proof probe is standard
- probe is available with Intrinsically Safe option for alternative HazLoc protection
- high corrosion resistant Teflon and stainless steel wetted parts
- capacitance technology responds to all liquid and solids types
- HF capacitance technology does not require routine cleaning
- easy calibration and control set-up

Need more than 2 relays or a visual display of the level? Look to the **Arjay 4100-LEV** Level Monitor

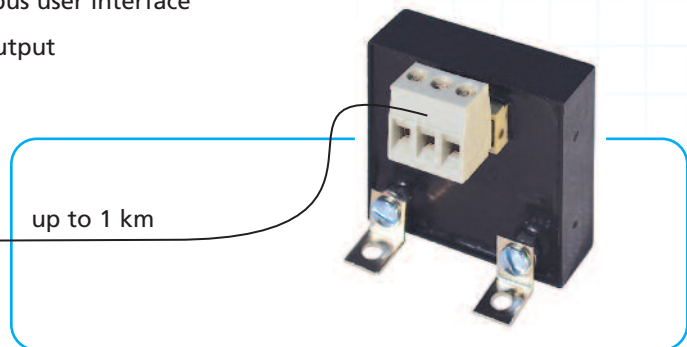
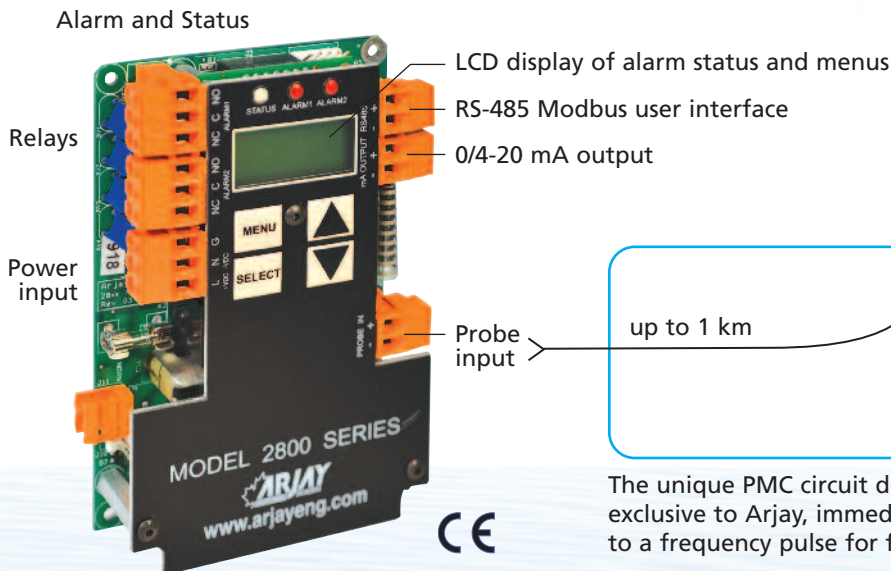
Technical Specifications - Control Unit

Operating Temp.	-20°C to +55°C
Resolution	.007% (.07 pF at 1,000 pF)
Accuracy	.04% of full scale pF
Power Input	12 vdc or 24 vdc or 100-240 vac +/- 10%
Alarm Relay	2 x 10 amp@240 vac, SPDT dry, discrete relays with differential control (2852-LT only)
Analog Output	4-20mA proportional output, non-isolated
Communication	Modbus RS-485
Certified	UL 61010-1, 2 nd Edition CAN/CSA-22.2 61010-1-4 IEC/EN 61010-1, 2 nd Edition IEC 61326-1 CE Declared
Enclosure	Type 4/IP 66 painted steel or Type 4X/IP 66 polycarbonate or SS
Optional 2851-LT	Light, buzzer, beacon (2852-LT only) as above: no relays, isolated 4-20mA

Technical Specifications - Probe

Probe	-60°C to +260°C
PMC	-60°C to +55°C
Approval	CSA Div 1, Class 1, Groups C,D ABSA-CRN #0F07450.2
Intrinsic Safety	CSA Intrinsically Safe when ordered with Approved Barrier in Control Unit Div 1, Class I, Groups A,B,C,D; Class II, Groups E,F,G; Class III, Encl.Type 4
Wetted Parts	316SS and Teflon

Sensor materials are eligible for NACE MR-0175 Compliance



The unique PMC circuit design, installed at the probe and exclusive to Arjay, immediately converts the sensor signal to a frequency pulse for furtherance to the controller.



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