

2880-LT / 2881-LT / 2882-LT Probe Mounted Level Transmitter



Reliable monitoring of liquids and solids for a continuous level output

Over 40 years of capacitance experience stands behind the 2880-LT level transmitter. The probe continuously monitors product levels to provide a proportional level signal for pumps, alarms or control system interface.

- capacitance technology does not foul or require cleaning
- no moving parts
- electronics is close coupled to probe
- simple keypad calibration with display
- diagnostics and level display

The 2880-LT sensing probe monitors the capacitance field around the active probe. As the volume of product increases in the vessel, the probe capacitance changes. A 4-20 mA output signal is provided for interface with customer controls and systems. A quick calibration can be set using any two points along the probe length.



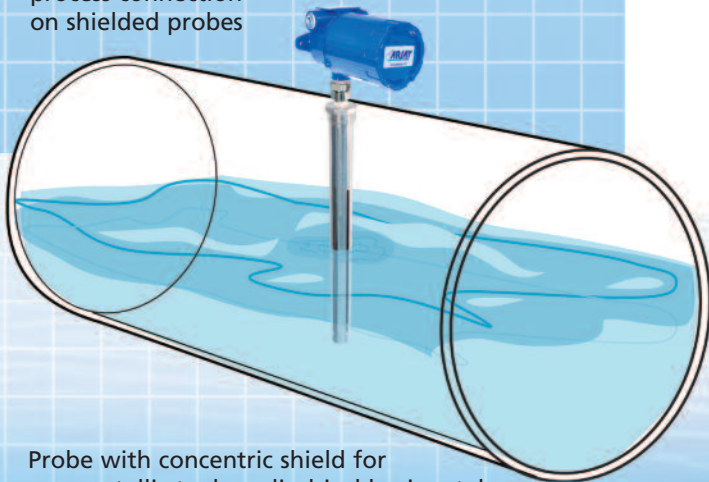
optional explosion proof probe

3/4" npt 316SS process connection on standard probes (flanges optional)

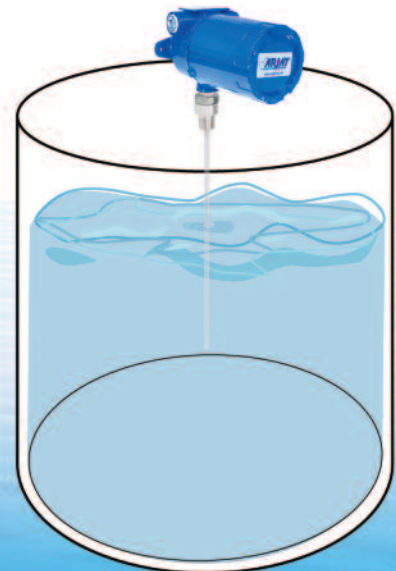
Teflon coated probe (length to order)



2" npt 316SS process connection on shielded probes



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



2880-LT

Features and Benefits

- no moving parts
- electronics is integral to the probe
- high corrosion resistant Teflon and stainless steel wetted parts
- capacitance technology responds to all product types
- HF capacitance technology does not require routine cleaning
- easy calibration and control set-up

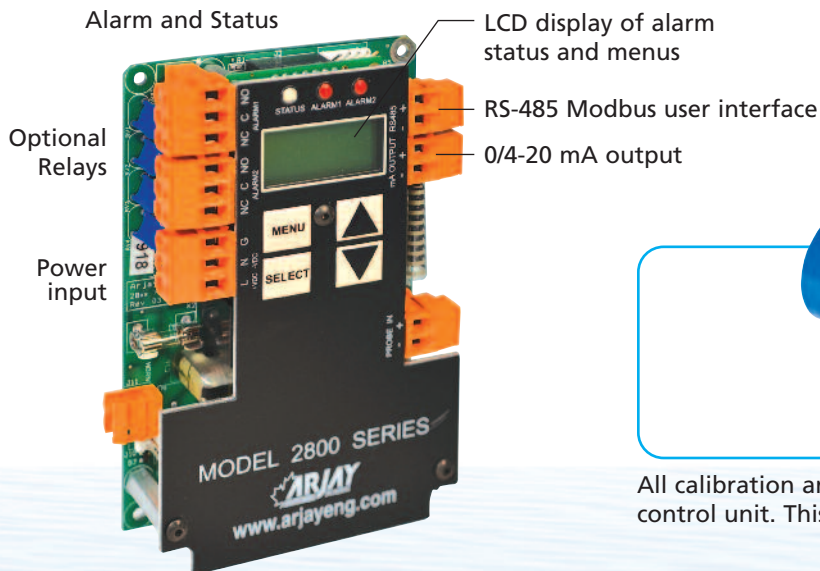
Technical Specifications - Electronics

Operating Temp.	-20°C to +55°C
Resolution	.04 pF at 1,000 pF
Accuracy	.02% of full scale pF
Power Input	12 vdc or 24 vdc, 0.1 amp max. 100-240 vac +/- 10%
Communication	RS-485 Modbus

Control Interface

2880-LT	0/4-20 mA non-isolated output
2881-LT	0/4-20 mA isolated output
2882-LT	0/4-20 mA non-isolated output and two independent 3 amp SPDT dry contacts

Optional Viewing window of % Level LCD



Technical Specifications - Probe

Process Temp.	-60°C to +260°C (Teflon probe)
Pressure	103 bar/10342 kPa/1500psi at stable temperature
Wetted Parts	316SS and Teflon

The electronics for this model can be mounted remote from the probe. For a remote controller in a Hazardous Location, see the Model 2080R-LT. For a remote controller in an Ordinary Location, see the model 2852-LT.

Certifications (certificates available on website)

Included Standard on Control Unit and Probe- Ordinary Location Use
UL/CSA/IEC 61010-1
CAN/CSA 22.2
CE

Optional Hazardous Location Use - Explosion Proof
USA/Canada Zone 1,2; AEx db IIC T5 Gb
IECEX/ATEX Zone 1,2; Ex db IIC T5 Gb

Also Included Standard on Probe
CRN # 0F07450.2 (all provinces)
NACE MR-0175 Compliant where applicable



All calibration and power wiring is done at the main control unit. This is mounted directly onto the probe.



Arjay Engineering Ltd. 2851 Brighton Road Oakville, Ontario Canada L6H 6C9

<http://www.arjayeng.com> telephone: +1 905-829-2418 N. America toll free: 1-800-387-9487 fax: +1 905-829-4701