

2852T-ILA Interstitial Tank Leak Alarm



Reliable monitoring of the interstitial space in double wall tanks

Over 40 years of capacitance experience stands behind the 2852T-ILA leak alarm. The flexible cable probe continuously monitors for the accumulation of liquid in the normally dry tank wall.

- capacitance technology alarms on any liquid
- no moving parts
- remote alarm unit mounts safely away from tank site

The 2852T-ILA probe monitors the interstitial space near the bottom of the tank and locks in on the capacitance field around the probe tip. Any liquid that intrudes into this space will increase the capacitive field and initiate an alarm.

The leak source can be from the stored product leaking from the tank or from groundwater leaking through the outer wall.



Explosion Proof Probe

flanges available to mate with tank flanges or threaded for customers own flange/union assembly

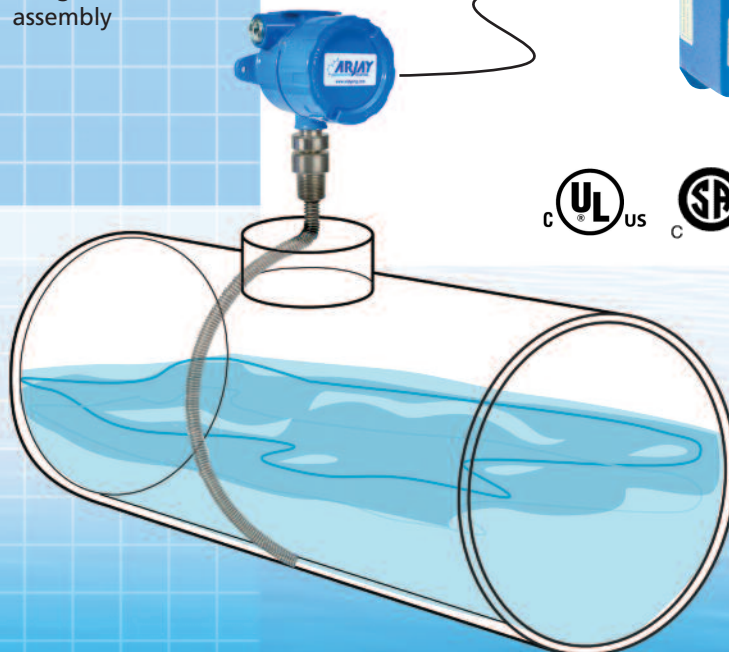
Remote Electronics available in painted steel, SS or polycarbonate enclosure

optional alarm light and/or buzzer

up to 1 km



The probe includes a flexible SS sheath to shield the sensing probe from level changes in fibreglas tanks. The alarm tip is inserted to approximately the 5 o'clock position to avoid condensation alarms.



2852T-ILA

Features and Benefits

- stable stationary probe wraps the tank belly
- adjustable time delay and sensitivity to eliminate nuisance alarms
- remote electronics via standard twisted pair
- available with Intrinsic Safety Barrier for Zone 0 Hazardous Locations
- 316SS and Tefzel wetted parts allow for corrosive environments
- capacitance technology responds to all types of liquids

Technical Specifications - Control Unit

Operating Temp.	-20°C to 55°C
Resolution	.04% at 1,000 pF
Accuracy	0.2% of full scale pF
Power Input	12 vdc or 24 vdc or 100-240 vac +/- 10%
Alarm Relays	Two common 3 amp SPDT dry contacts
Analog Output	4 mA normal/20 mA alarm
Communication	Modbus RS-485
Enclosure	Type 4/IP 66 painted steel or Type 4X/IP 66 polycarbonate or 316SS
Optional	Light, buzzer, beacon

Technical Specifications - Sensing Probe

Operating Temp.	Probe in tank: -60°C to +100°C
	Probe Head with PMC: -40C to +55C
Wetted Parts	316SS and Tefzel (flexible probes) or Teflon (rigid probes)

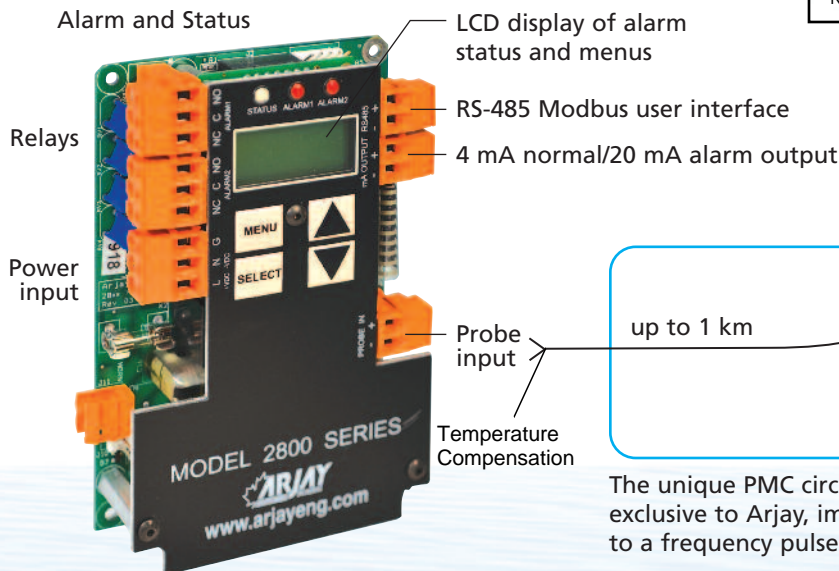
Certifications (certificates available on website)

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

Included Standard on Probe - Hazardous Location Use - Explosion Proof
USA/Canada CSA Zone 1,2; AEx db IIC T5 Gb
IECEx/ATEX Zone 1,2; Ex db IIC T5 Gb

Optional on Probe - Hazardous Location Use - Intrinsically Safe
UL/CSA/IEC 60079
ANSI/UL 913-2013
Class I; Division 1,2; Groups A,B,C,D; T4
Class II; Division 1,2; Groups E,F,G
Class III; Division 1,2
Class 1, Zone 0,1,2; Ex ia IIC T4 Ga

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



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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