



LPG RF Sensor

Tekelek's LPG tank sensor provides accurate remote monitoring of LPG and Propane tanks.

Applications

- LPG Tanks
- Propane Tanks
- Other types of gas storage with Rochester R3D or Twinsite dial gauges

Benefits

- Monitor tank levels from comfort of your own home
- Measures approximately 5%-95% of tank capacity
- Rochester gauge compatible
- Accurate to 3%
- Communication distance to receiver typically greater than 200m (150 ft for USA variant)
- Conforms with ATEX Directive 2014/34/EU & UL913 Hazloc
- RMS Compatible for longer distances (PTSN & GSM Modems)
- CE Conformance and ROHS Compliant
- Minimum 1 year warranty



WEEE Reg. 00232
Patents granted

Tekelek, Shannon Free Zone, Shannon, Co. Clare, Ireland
Tel : +353 (0)61 471511 | **Fax:** +353 (0)61 471685
E-mail: sales@tekelek.com | **Web:** www.tekelek.com

Specification

Characteristic	Transmitter
Dimensions	95mm (W) x 87mm (L) x 170mm (H) ±1mm / 3.7" (W) x 3.4"(L) x 6.7" ±0.04"
Weight	125g/0.28lbs (excluding dial gauge)
Housing Material	UV Stabilized Polypropylene
Operating temperature	-30°C to 45°C / -22°F to 113°F (Note 1)
Storage Temperature	0°C to 25°C / 32°F to 77°F (Note 1)
Altitude range	<2Km/1.25miles above sea level
Environmental Protection	IP67 - Outdoors
Radio frequency	433.92 MHz FM (EU/UK/NZ/AUS) or 914.5 MHz FM (USA) options available
Radio output power	EU/UK/NZ/AUS 5dBm ±2dBm / US 0dBm ±2dBm
Receiver Sensitivity	N/A
Gauge Type	Rochester R3D / Twinsite Hall Effect
Gauge Resolution	Note 2
Power requirements	SAFT LST142503PF 3.6 V Primary lithium-thionyl chloride (non-replaceable)
Battery life	Up to 10 Years (not replaceable)
Humidity range	15% - 95%
LCD Display	N/A

Accessories

Screws (included)	No.8 X 19mm(0.75") Panhead Pozi-drive Stainless steel

Conformity

EU/UK/NZ/AUS variants meet the intent of Directive 2004/108/EC for Electromagnetic compatibility, the Low voltage directive 2006/95/EC for product safety, the R&TTE directive 1999/5/EC for radio, and the requirements of the ATEX directive 2014/34/EU for potentially explosive atmospheres . Compliance was demonstrated to the following specifications as listed in the official journal of the European Communities. USA variants compliant to UL913 Intrinsically safe standards and FCC part 15 in UL approved test facility.

ATEX directive 2014/34/EU	II 2 G Ex ib IIA T4 (TRAC09ATE21221X)
UL913 Intrinsic Safety	Approved (USA variant) UL913 112970 Hazloc
EN 55022,A1,A2	Limits and methods of measurement of radio disturbance characteristics of information technology equipment.
EN 61000	Electromagnetic compatibility
EN 55011	Industrial, scientific and medical (ISM) radio-frequency equipment
EN 60335-1	Safety of household and similar appliances
EN 300 220-3	Electromagnetic compatibility and Radio spectrum Matters (ERM) - Short Range Devices (SRD)
ETSI EN 301 489-3	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC)
RoHs Compliance	Yes
FCC part 15 compliance	USA variant

Note 1: Storage and operation above 20°C/68°F may reduce battery life.