

DATA SHEET



KP - TrackLog

LoRa®-Powered Pressure Data-Loggers



Easy to use



Power saving solution



Long-distance connectivity



Data integrity: accuracy and consistency over entire life-cycle

Features

- LoRaWan™ protocol and wireless connection
- Memory capacity: 20 000 points
- 2-line LCD display
- Real time alarms and alerts
- Safety lock wall mount with inviolability system

Technical specifications

Parameter	Accuracy*	Measuring range	Resolution
Differential pressure	±0.5% of reading ±3 Pa**	From -1000 to +1000 Pa	1 Pa

*All accuracies indicated in this document were stated in laboratory conditions and can be guaranteed for measurement carried out in the same conditions or with calibration compensation.

**Provided that an autozero at 0 Pa has been carried out (the device must be disconnected) at the temperature at which the measurement will be performed (±5°C).

General features

LoRa® frequency	868 Mhz (Europe)
Display	2-line LCD screen Screen dimensions: 49.5 x 45 mm 2 indication LEDs (red and green)
Type of sensor	Piezoresistive sensor
External input	Micro-USB female connector
Recording frequency	From 1 minute to 24 hours
Power supply	2 x lithium AA 3.6 V batteries ⁽¹⁾
Battery life	3 years ⁽²⁾
Protection	IP65 ⁽³⁾
Housing material	ABS housing and compatible with food industry environment
Dimensions	110.2 x 79 x 35.4 mm
Weight (batteries included)	206 g
Operating temperature	From 5 to 50°C
Storage temperature	From -20 to 50°C
Environmental conditions of use	Air and neutral gases Hygrometry: in non-condensing conditions (<80% RH) Maximum altitude: 2000 m
European Union Directives	2011/65EU RoHS II; 2012/19/EU WEEE; 2014/30/EU EMC; 2014/35/EU

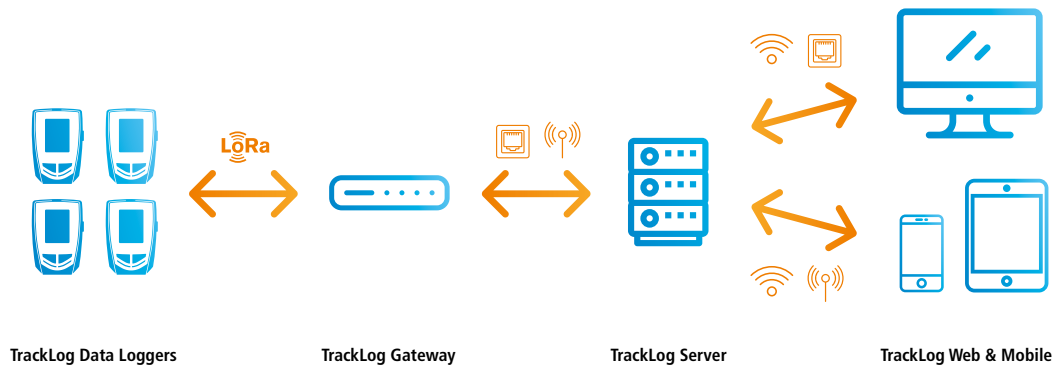
⁽¹⁾ We recommend to use high performance batteries as SAFT LS 14500 type when replaced.

⁽²⁾ Non-contractual value. Based on 1 measurement each 15 minutes at 25 °C. A correct operation of the device and the storage conditions must be respected.

⁽³⁾ With the pressure connectors plugged.

What is LoRa® communication?

LoRa® is a physical layer, using radio-frequency bands. LoRa® frequency allows very-long-range connectivity with low power consumption. Data transmitted by an end-node device is received by multiple gateways. Then, each gateway forwards the data packets to a centralized network server.



Source: LoRa® Alliance

Recorder functions

- 4 recording modes: immediate, minimum, maximum and average
- 3 types of dataset starts: by date and time, app (web or mobile) or push-button
- 2 types of dataset stops: by app (web or mobile) or push-button

Kit content

- 1 data logger + 2 batteries + 1 safety lock wall mount with padlock + fixing screws

Accessories

Name	Ref
Gateway	TrackLog Gateway
Cloud subscription offer	See subscription sheet
Calibration certificate	Option
1x AA lithium 3.6 V battery	KBL-AA
Safety lock wall mount with padlock	KAV-320
USB cable	CK-50