PORTABLES

L-TEK P100

Portable Laser Methane Detector

Ensure operator safety with this portable detector enabling long-distance, non-contact metane measurement.

L-TEK P100 uses TDLAS (Tunable Diode Laser Absorption Spectroscopy) technology, can be used for methane and methane-containing gas concentration monitoring in the target area according to the absorption characteristics of methane gas to specific wavelength lasers.

Portable laser methane telemetry is widely used in methane and methanecontaining gas inspection in petroleum, chemical, mine, city gas and other industries.

Through long-distanceand non-contact telemetry method, the personal safety of workers in high-risk scenes is effectively guaranteed. The portable detector has a compact design, which is convenient for inspectors to carry and improve detection efficiency.

FEATURES

- Intrinsically safe explosion-proof design, suitable for hazardous occasions.
- ppm level sensitivity, suitable for micro leakage monitoring.
- Millisecond-level response speed, fast inspection without staying and waiting, improve inspection efficiency.
- Compact design, easy to carry.
- Non-contact measurement, expand the scope of inspection, ensure the personal safety of inspection personnel.
- Battery support all-day inspection, USB charging.
- Fingerprint features, not disturbed by other gases.
- Friendly interface, simple operation.
- Strong adaptability, not affected by ambient temperature.
- Non-poisoning, calibration-free, stable and reliable
- Data Extraction – Reviewing time-stamped readings for reporting and data analysis is easy by extracting the data logs into computers through the included USB cable.

SPECIFICATIONS

DEVICE SPECIFICATIONS	
TARGET GAS	Methane
SIZE	138mm x 49mm x 35mm
WEIGHT	320g
RANGE	0 - 99999ppm
DATA STORAGE	1000 items
DETECTION DISTANCE	Standard 20m; Increased range to 50m
RESPONSE TIME	≤0.1 (adjustable)
POWER CONSUMPTION	<2W
BATTERY LIFE	6 hours
OPERATING TEMPERATURE	-20°C to 50°C
HUMIDITY	98% RH non-condensing
INGRESS PROTECTION	IP54
STANDARDS	IEC 60079-0: 2017 Ed.7 IEC 60079-11: 2011 Ed.6 IEC 60079-28: 2015 Ed.2
ATEX/IECEx CERTIFICATION	II 2 G Ex ib op is IIB T4 Gb (-20 °C ≤ Ta ≤ +50 °C) SGS23ATEX0156X IECEX SGS23.0078X
LASER SAFETY LEVEL	Detection laser : Class I Indicating laser: Class IIIR

crowcon
DETECTING GAS. SAVING LIVES.