Methane Leak Detection

LaserMethane® *mini*

Easy to use portable methane detection device able to detect escapes from a safe distance.
Designed to ATEX approval standards for hazardous areas.
Detects gas in high and hard to reach situations - FAST.

Remote Measurement and Detection

- 0 - 100m measurable distance
- Detection through single glazed glass

High Speed and Sensitivity

- Response as fast as 0.1 seconds
- Detects from ppm to saturation

Methane Selectivity

- Only responds to methane
- Accurate measurement and detection
- Responds to methane even when other gases are present

User Friendly

- Full colour LCD screen
- Graph or numeric display
- User programmed alarm & offset levels
- Reflection intensity monitor

Portable

- Truly hand held
- Lightweight and compact design
- Start-up, self check and self-calibration

ATEX Approved

CROWCON
Gas Detection You Can Trust

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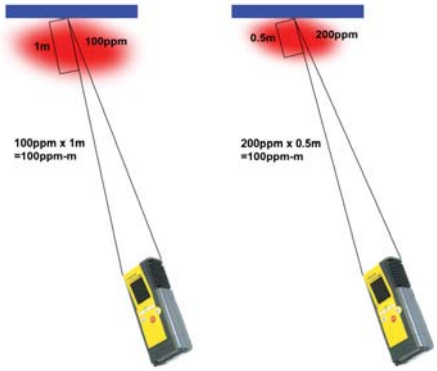
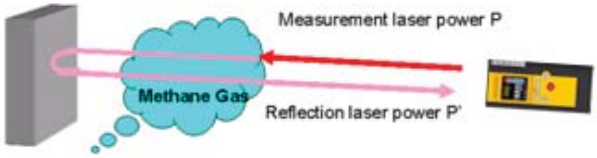
Typical Data

Weight	600g (1.3lbs)
Dimensions	70 x 179 x 42mm (2.8 x 7 x 1.6in) (WxDxH)
Target gas	Methane (CH_4)
Detection method	Tunable diode laser absoption spectroscopy (TDLAS)
Detection distance	30m standard mode Up to 100m with reflector
Measuring range	0-99,999 ppm.m
Measuring accuracy	+/-10% @ 100 ppm.m (2m) +/-10% @ 1000 ppm.m (2m)
Detection speed	~0.1 seconds
Detectable range	10 - 50,000 ppm.m (Detectable range depends on the reflecting object and detection distance)
Audible alarm	Volume adjustable buzzer - up to 70dB @ 0.5m
Reflect warning	Insufficient reflect warning, audio and visual
Display	Full Colur LCD
Operation	Logical menu functions
Battery	Rechargeable nickel metal hydride
Operating time (laser on)	5 hours minimum per charge (4hr recharge) at 25ºC
Operating temperature	-17° to 50°C (1° to 122°F)
Operating humidity	30 – 90%
ATEX	Main body: Ex II 2G Ex ib op-pr/op-is IIA T1 Battery pack: Ex II 2G Ex ib IIA T1
IP rating	IP54
Laser safety	IEC60825-1:2001
Marker laser	Output wavelength: 650 nm Output level: 1 mW (Class 2) or less
Detection laser	Output wavelength: 1653 nm Output level: 10 mW (Class 1) or less NEVER LOOK INTO THE LASER BEAM
EMC	EN61326-1:2006
Accessories:	Battery charger Operation manual Rechargeable battery Strap Protective boot
Optional extras:	Carry case Extra battery Vehicle power inverter Laser enhancement glasses
Instructions for use:	1. Never point this detector towards the sun 2. Never look into the laser beam

LaserMethane is co-developed by Tokyo Gas Co. Ltd., Tokyo Gas Engineering Co., Ltd. and ANRITSU CORPORATION



In these examples both measured values correspond to the same methane column density



Measurement laser power : P
Reflection laser power after methane pass : P'
The ratio of P and P' is equivalent to the methane density (ppm·m)

Product label

Local agent and distributor details

A HALMA COMPANY

Information included is correct at time of print and subject to change without notification. All information included is printed in accordance with the manufacturer.

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