MLD-3500H

Tracer gas detector

MLD-3500H *is a professional tracer gas detection instrument sed tolocate defects in pipes or machinery that cannot be detected with other systems. Tracer gas is a mixture of 5% hydrogen + 95% nitrogen and allows you to work in total safety. The extended measuring range tracer gas detector* ***MLD-3500H*** *makes it the most comprehensive and flexible instrument on the market.*

GASTECH instruments



- ***Solid Sensors***
- ***Hydrogen selective ppm sensor***
- ***Large graphic display***
- ***Simple and intuitive menu***
- ***Tracer gas measuring range or tracer gas 1 ppm at 5% VOL***
- ***Low running costs***
- ***Excellent Quality/Price ratio***

MLD 3500H *is a tracer gas detector. By inserting tracer gas into the pipe, it is possible to detect its escape from empty or water-filled pipes. Tracer gas is a mixture of 5% hydrogen + 95% nitrogen and allows you to work safely. Tracer gas makes it possible to detect even the smallest defects in pipes. Increasing the charge pressure of tracer gas in the pipe to be inspected allows to speed up the detection of the defect point. Gastech tracer gas detection technology allows tracer gas to be detected from a few ppm to 5% VOL.*

System Description

A robust aluminium housing encloses highly refined microprocessor electronics, and the flexible probe makes it possible to reach hard-to-reach places such as taps, threads or recessed meters. The clear graphical display allows precise detection of tracer gas or tracer gas from ppm to % VOL.

MLD-3500H
TRACER GAS DETECTOR

MEASUREMENT SYSTEM

Gas Detected	CH_4	Hydrogen calibration (5% contained in tracer gas)
Measurement Scales	ppm –% VOL	
Zeroing	Manual and Automatic	

Scale	Type	Range	Resolution	Uncertainty	Bottom Scale	Time of Response
ppm 1	Semiconductor	0 – 1.000 ppm	5 ppm	± 5 % f.s.	1.000 ppm	< 1 sec
ppm 2	Semiconductor	0 – 10.000 ppm	50 ppm	± 5 % f.s.	10.000 ppm	< 1 sec
% VOL	Conductivity thermal	0 – 1.000 % VOL	1% VOL	± 5 % f.s.	100 %Vol	< 7 sec

DISPLAY AND ALARMS

Display	Digital graphic 164x48
Escape Indication	4 LEDs plus numeric indication on display
Alarms	Switchable optical and acoustic alarm
Acoustic Signal Level	85 dB (A)

SUCTION SYSTEM

Sampling	Suction with built-in electric micro-pump
Suction flow rate	1.5 l/min
Filters on Suction	Internal anti-water filter

POWER SUPPLY AND AUTONOMY

Power supply	Environmentally friendly rechargeable NiMh batteries without memory effect
Autonomy	5 hours under standard operating conditions

CERTIFICATIONS AND DEGREE OF PROTECTION

Certifications	CE according to Declaration of Conformity	IP 54

CALIBRATION

Calibration Periodicity	12 months with issue of Calibration Certificate (ISO standard)
Calibration Modes	According to Gastech operating procedure with Rivoira certified sample gases

OPERATING CONDITIONS

Operating Temperature	-20 to +50°C / 0 to 85% R.H. non-condensing

DIMENSIONS AND WEIGHT

Dimensions	200x80x120 mm
Weight	2000 gr

OPTIONAL ACCESSORIES

EA.0010.8005 Road surface search probe for tracer gas detector

EA.0010.8020 Bell probe for uneven surface search for tracer gas detector

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