



# NIEDERL

LecksuchTechnik GmbH

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# METREX<sub>3</sub>



Professional instrument for the detection and localization of gas leaks

METREX 3	01	02	03	04	05	08	06	09	07	10	13	14	11	12
0-100% LEL *CH4	X	X	X	X			X	X	X	X	X	X		
0-100%VOL *CH4	X	X	X	X			X	X	X	X	X	X		
0-10.000 PPM *CH4	X	X	X	X			X	X	X	X	X	X		
0-30% O2		X		X						X				
0-2.000 PPM CO			X	X						X				
0-10.000 PPM H2					X						X			
0-5% VOL H2					X						X			
0-100PPM H2S				X						X		X		
0-100 PPM 5% VOL He						X					X			
Ethane							X	X	X	X		X		
THT								X				X		
TBM									X					
[S] 0-100%VOL **CH4													X	X
[S] 0-10.000 PPM **CH4													X	X
0-100% LEL ***HC														X

\*Calibrated on CH4 and/or C3H8

\*\* The [S] symbol, indicates that the instrument is selective at the CH4

\*\*\*The instrument is calibrated to 30% LEL of CH4

\*On demand, with additional cost, calibrated on CH4 and/or C3H8  
For other combinations, please contact the sales office

















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COMPLETION ACCESSORIES		
<b>107027</b>	<b>111037</b>	<b>102003</b>
		
Carrying case to transport the device and its battery charger.	Carry strap for carrying the instrument more easily.	Battery charger for Metrex 3 - 220V. Complimentary, car battery charger with cigarette lighter socket 12V.
OPTIONALS		
<b>102010</b>	<b>201184</b>	<b>201272</b>
		
Car battery charger with cigarette lighter socket 12V.	Battery for Metrex3 -additional battery in case of need.	Kit Antiwater filter 25 mm PTFE 0,45 um -to be insert into the aluminum support with the quick adapter Package of 10 pcs -pack price
<b>102016</b>	<b>102000</b>	<b>409056</b>
		
This option allows the user to save at the same time and continuously, the value of the associated gas at the current position of GPS.	Bluetooth communication system. It allows the communication of the instrument with the PC (the equivalent of 409056).	USB communication cable for Metrex3 /LASER ONE.

STANDARD PROBES		
100058	100059	100060
		
Sucker probe  -to check pipes in uneven ground	Flexible probe  -to check air pipes, connections and junctions	Carpet probe  -for the detection of gas leak on underground lines



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## TECHNICAL INFORMATION

		Range	Resolution	Minimum sensitivity
0-100% LEL	CH <sub>4</sub>	1-100 % LEL	1%	0,1%
0-100% VOL	CH <sub>4</sub>	1-100% VOL	1%	0,1%
0-10.000 PPM	CH <sub>4</sub>	1-1000 PPM/1000-1%	5 PPM / 100 PPM	1 PPM
0-30%	O <sub>2</sub>	0-30%	0,1%	1%
0-2.000 PPM	CO	0-2000PPM	1PPM	5 PPM
0-10.000 PPM	H <sub>2</sub>	0-1000 PPM/ 1000-1%	5 PPM/100 PPM	1 PPM
0-5% VOL	H <sub>2</sub>	0 -5% VOL	0,1%	0,1%
0-100 PPM	H <sub>2</sub> S	1-100 PPM	1 PPM	1 PPM
0-100 PPM 5% VOL	He	0-5%	100 PPM	100 PPM
Ethane		20 PPM -100% VOL	Yes/ No	20 PPM
THT		0 – 100 mg/m <sup>3</sup>	0,1 mg/m <sup>3</sup>	0,1 mg/m <sup>3</sup>
TBM		0-100 mg/m <sup>3</sup>	0,1 mg/m <sup>3</sup>	0,1 mg/m <sup>3</sup>

## SUCTION SYSTEM

Suction system	Membrane pump
Pump capacity	0.9 l/min



## CALIBRATION

Periodical calibration	Every 12 month (according to ISO Standard) in HUBERG or in Service Center authorized by HUBERG
Calibration with	With certified bottle

## POWER SUPPLY

Power supply	ecological, rechargeable NiMH batteries
Recharging of batteries	with Huberg battery charger
Autonomy	More than 8 hours under normal working conditions

## CERTIFICATION

 **II 2G Ex ib d mb IIB T4 Gb**  0123

## GENERAL TECHNICAL DATA

Environmental working conditions	<input type="checkbox"/> Temperatures <input type="checkbox"/> Humidity	-25 ÷ 50°C < 95%
Environmental storage conditions	<input type="checkbox"/> Temperature <input type="checkbox"/> Humidity	-40 ÷ 60°C < 95%
Sound level of buzzer (30 cm)	85 dB (A)	
Size (L x H x W)	200 x 115 x 115 mm	
Weight	From 2600 g	