

# MGLD.3000<sup>✱</sup>

## MULTI GAS LEAK DETECTOR

The new standard for industrial leak detection (CO<sub>2</sub>, H<sub>2</sub>, HC/HFC/HCFC)

EXCLUSIVELY BY  
VULKAN  
LOKING



# MGLD.3000

## MULTI GAS LEAK DETECTOR

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### MGLD.3000 MULTI GAS LEAK DETECTOR

The MGLD.3000 is a multi-sensor leak detector for leak detection of gases and refrigerants with audible and visual display, battery and mains operation, which consists of a portable base unit, a charger and various probes.

The probes can include a photo-acoustic unit (CO<sub>2</sub>), a dual semiconductor sensor unit (H<sub>2</sub>), multi-layer semiconductor sensor unit (HCs, HFCs, HCFCs), an inlet with flow monito-

ring, an evaluation unit with graphical display, controls and interfaces, as well as the power supply. The system is modular and can be equipped with various active probes to be configured.

The base unit can be used mobile without restriction in operation between local applications (charging) and remote applications (onsite where leaks need detecting).

### ROBUST METAL HOUSING – COMPACT AND PORTABLE

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The MGLD.3000 has a compact and robust steel housing to match its powerful interior. So you can rely on long-life quality »Made in Germany«.

### UNIQUE LEAK DETECTOR TO HANDLE DIFFERENT PROBES FOR DIFFERENT GASES

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Combined plug for suction hose and cable connection. Connection to Docking Station standard length 6m.

### TOUCHSCREEN DISPLAY – SIMPLE AND INTUITIVE MENU NAVIGATION

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The intelligent menu navigation takes you through the fully processes without any keys. Thanks to the self-explanatory operating concept, there's no need to waste time looking things up in complicated operating manuals. The ergonomics of the operating panel and the large 5.7" graphic display support this innovative form of menu navigation.

### DOCKING STATION

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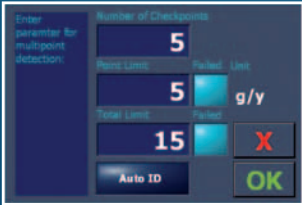
Stationary housing for power supply and charger base unit and to connect to barcode scanner or keyboard to enter the Product-ID.

### PROBES AND TEFLON TIP

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Programmed durable hand probe with 300mm long flexible sensor for refrigerant, hydrogen trace gas or CO<sub>2</sub>. Rugged aluminum housing with its own 4-digit segment display and 4 membrane keys for controlling various functions of the leak detector MGLD.3000.

## MGLD.3000 TOUCHSCREEN DISPLAY – SIMPLE AND INTUITIVE MENU NAVIGATION



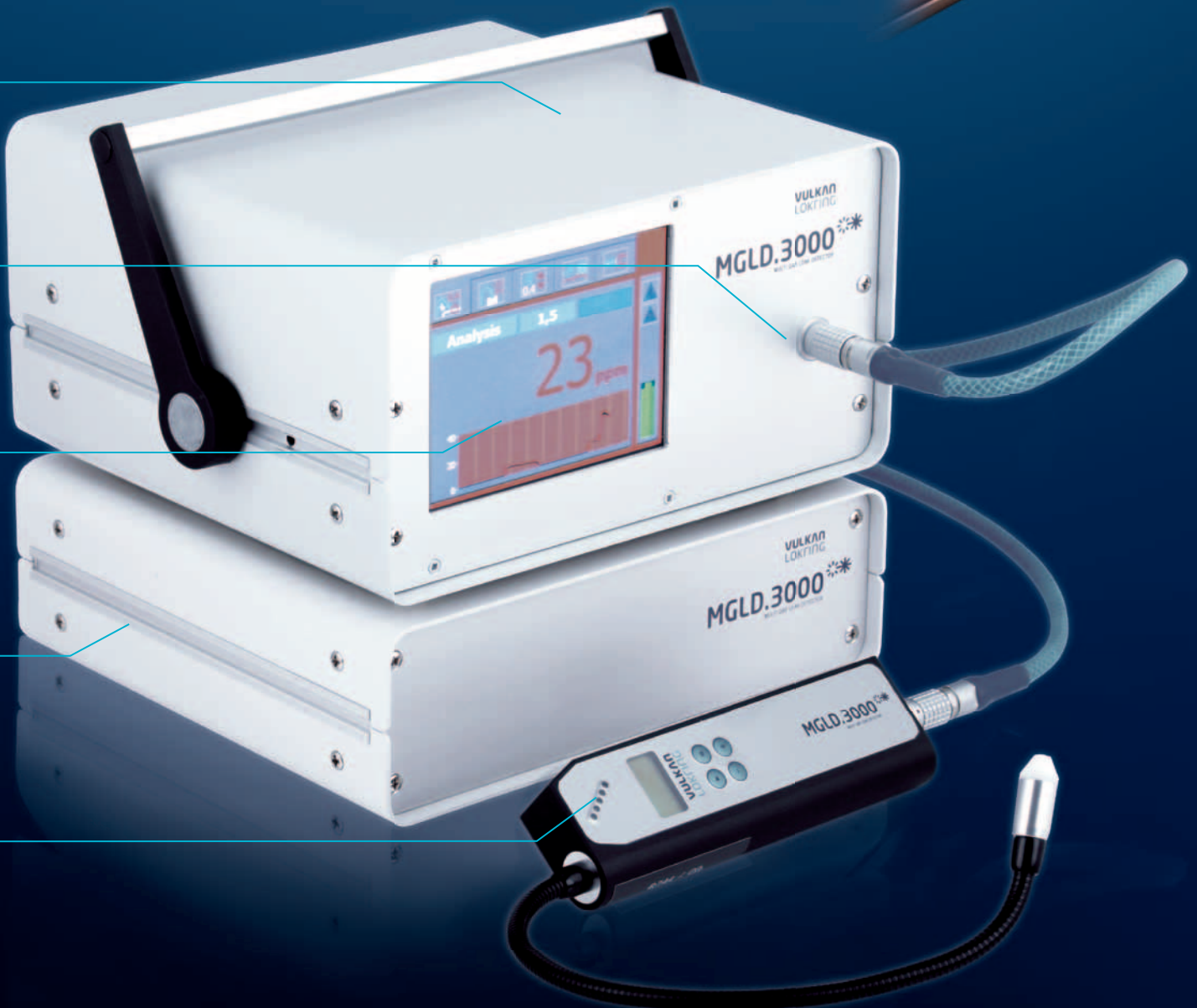
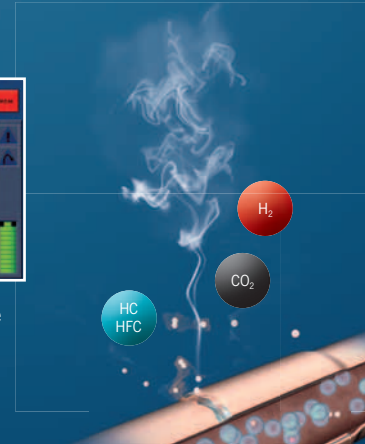
Simple general settings



Calibration menu



Complete production data available





LOKRING: connecting worldwide



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**LOKTOOL: MGLD.3000 | Multi gas leak detector**



**LOKTOOL Multi gas leak detector**

Industrial leak detector for refrigerants, H<sub>2</sub> tracer gas or CO<sub>2</sub>, Base with docking station, 6m suction line and a selective hand sensor unit intuitive Windows based operating system, 5,7" (14,5 cm) touch-screen controller, internal memory for process data connectivity options for bar code reader and printer. Operation through built-in battery possible.

Quick and easy maintenance due to exchangeable hand probes. Few consumable parts, low maintenance due to new innovative sensor technology.

Article no.	Article name	Description
L14004003	LOKtool MGLD.3000 - Ref.	for refrigerant
L14004004	LOKtool MGLD.3000 - TG	for H <sub>2</sub> tracer gas
L14004005	LOKtool MGLD.3000 - CO <sub>2</sub>	for CO <sub>2</sub> /R744

Technical data	
Time until ready	< 120 sec.
Response time	1 to 2 sec.
Display	5,7" full colour TFT
Operating temperature	0 °C to 55 °C
Storage temperature	-25 °C to 70 °C
Power supply	100-240 Vac/ 50-60 Hz
Dimensions	262 x 292 x 265 mm
Weight	9 kg (without Probe)

**LOKTOOL: PROBE x MGLD.3000 | Probe for MGLD.3000**



**LOKTOOL Probe MGLD.3000**

Programmed durable hand probe with 300mm long flexible sensor for refrigerant, H<sub>2</sub> tracer gas or CO<sub>2</sub>. Rugged aluminum housing with its own 4-digit segment display and 4 membrane keys for controlling various functions of the leak detector MGLD.3000.

Article no.	① L14004006	② L14004007	③ L14004008
Article name	LOKtool Refrigerant Probe	LOKtool H <sub>2</sub> Tracer gas Probe	LOKtool CO <sub>2</sub> -R744 Probe
Detectable Gases	R22, R134a, R290, R404A, R407C, R410A, R600a	H <sub>2</sub>	CO <sub>2</sub>
Lower Threshold	g/y 0,3 (HFC/HCFC); 0,1 (HC)	~R134a/R600a: 0,05*	3
	oz/y 0,01 (HFC/HCFC); 0,003 (HC)	~R134a/R600a: 0,002*	0,1
	atm.cc/s 2x10 <sup>-6</sup> (HFC/HCFC); 1,5x10 <sup>-6</sup> (HC)	5x10 <sup>-7</sup> *	1x10 <sup>-4</sup>
	ppm 5 (HFC/HCFC); 3 (HC)	1	100
Response time	< 1 sec.	< 1 sec.	< 2 sec.
Dimensions (housing)	190 x 40 x 28 mm	190 x 40 x 28 mm	190 x 51 x 28 mm
Dimensions (flexible probe)	300 mm	300 mm	300 mm
Weight (without hose)	300 g	300 g	420 g

\* Best sensitivity with 100% H<sub>2</sub> flow, could be lower function of H<sub>2</sub> leakage proportion in tracer gas.