

MGLD.3000**

MULTI GAS LEAK DETECTOR

The new standard for industrial leak detection (CO₂, H₂, HC/HFC/HCFC)



EXCLUSIVELY BY
**VULKAN
LOKING**

MGLD.3000

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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. It consists of a portable base unit, a charger and various probes. The probes can include a photo-acoustic unit (CO₂), a dual semiconductor sensor unit (H₂), multi-layer semiconductor sensor unit (HCs,

HFCs, HCFCs), an inlet with flow monitoring, an evaluation unit with graphical display, controls and interfaces, as well as the power supply. 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

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

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

TOUCHSCREEN DISPLAY – SIMPLE AND INTUITIVE MENU NAVIGATION

The intelligent menu navigation takes you through the full 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

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

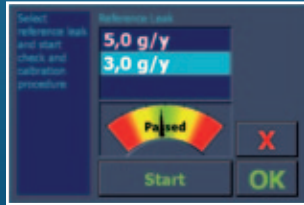
PROBES AND TEFLON TIP

Programmed durable hand probe with 300mm long flexible sensor for refrigerant, hydrogen trace gas or CO₂. 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



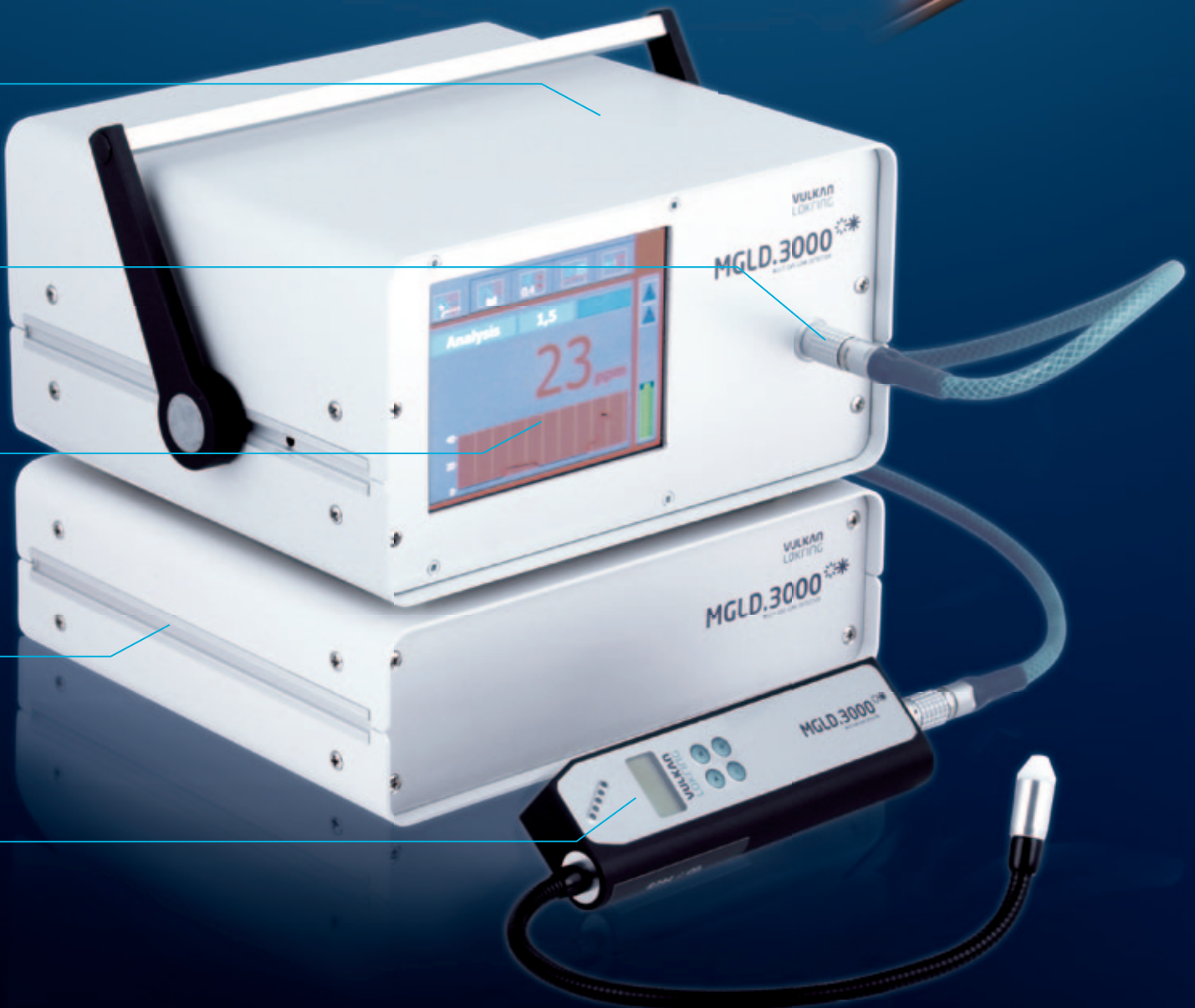
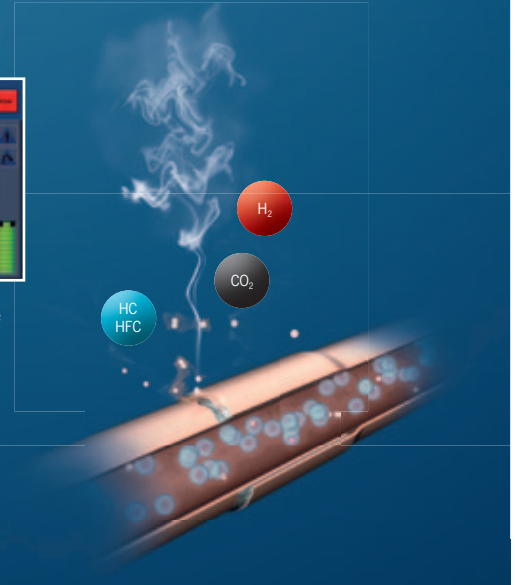
Simple general settings



Calibration menu



Complete production data available



LOKTOOL: MGLD.3000 | Base unit



MGLD.3000 Base unit

Base unit of the industrial leak detector MGLD.3000. You can easily connect probes for refrigerant, H₂ tracer gas or CO₂ (R744). Probes are not included in the scope of supply and need to be ordered separately.

Features

- ⊕ Touchscreen with colour display
- ⊕ Multipoint measurement
- ⊕ Audible and visual alarm
- ⊕ Windows operating system
- ⊕ 200 GB hard disc
- ⊕ USB connection for barcode reader, printer or data transfer

Scope of supply

- ⊕ Mobile base unit and docking station
- ⊕ Robust plastic case
- ⊕ 6 m cable

Article no.	Article name	Description
L14004148	MGLD.3000 Base unit	Mobile base unit with docking station

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

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



LOKTOOL Probe MGLD.3000

Programmed durable hand probe with 300mm long flexible sensor for refrigerant, H₂ tracer gas or CO₂. 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	MGLD.3000 Refrigerant Probe	MGLD.3000 H ₂ Tracer gas Probe	MGLD.3000 CO ₂ Probe
Detectable Gases	R22, R134a, R290, R404A, R407C, R410A, R600a	H ₂	CO ₂
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 ⁻⁶ (HFC/HCFC); 1,5x10 ⁻⁶ (HC)	5x10 ⁻⁷ *	1x10 ⁻⁴
	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% H₂ flow, could be lower function of H₂ leakage proportion in tracer gas.