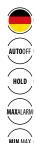
CARBON MONOXIDE (CO) METER





HIGHLIGHTS:

- o 3 display units can be selected (ppm, mg/m³ and % CO Hb)
- Warning if the maximum workplace concentration (MAK/AGW) is exceeded
- o Incl. interface
- o Incl. test protocol

THE DEVICE IS FOR CHECKING ONLY. IT DOES NOT REPLACE A MONITORING DEVICE THAT REQUIRES APPROVAL!

GCO 100

Item No. 600062

Compact portable CO instrument with alarm

Carbon monoxide (CO) is produced when carbon is burned. Depending on the effectiveness of the combustion (oxygen supply) and the combustion temperature, more or less CO gas is produced. The gas is flammable and highly toxic. It is invisible, tasteless and odorless.

Even the smallest concentrations are dangerous for humans!

Therefore, there are guidelines in Germany about the maximum workplace concentration (MAK/AGW) of CO gas: 30 ppm

APPLICATION:

- · Monitoring of air quality (e.g. in the workplace)
- · Control of heating systems, gas boilers, fireplaces
- · Air monitoring during maintenance work (tunnels, exhaust gas routes, ...)
- Detection of CO in the breath of smokers (% CO Hb)
- Detection of CO poisoning, e.g. in the case of fire victims (fire departments, etc.)

TECHNICAL SPECIFICATIONS:

electrochemical CO measuring cell Measuring principle: Measuring range: 0..1000 ppm CO concentration 0..1000 ppm CO concentration Display areas: 0..1250 mg/m³ CO concentration 0..60.0 % CO Hb (estimate via breathing air) Resolution: 1 ppm, 1 mg/m³ or 0.1 % CO Hb Sensor element: Integrated in the device, frontal sensor opening with internal

thread for screwing on accessories

Lifespan: > 5 years when used properly in air; Recommended check: every 6 months (depending on of the accuracy requirements)

Accuracy (in the range 0..500 ppm)

Linearity: $<\pm$ 5 % of the measured value \pm 1 digit Repeatability: $<\pm$ 5 % of the measured value \pm 1 digit

Cross-sensitivities (excerpt)

	Conc. (ppm)	Exposure time (min.)	Display (ppm)
Sulfur dioxide	50	600	<1
Nitrogen dioxide	50	900	-1
Nitric oxide	50	5	8
Hydrogen	100	5	20
Carbon dioxide	5000	5	0

Display: approx. 11 mm high, 41/2-digit LCD display

Control elements: 3 membrane buttons

Nominal temperature: 25 °C

Working conditions: -10 .. + 50 °C, 15..90 % RH (non-condensing)

Storage temperature: -10 .. + 50 °C

Interface: Serial interface, can be connected directly to the RS232 or USB interface of a PC via a galvanically isolated interface converter.

9 V battery and power supply socket for external Power supply:

10.5..12 V DC voltage. (suitable power supply unit: GNG 10/3000)

> 1000 h Battery life:

Made of impact-resistant ABS, membrane keyboard, Housing:

transparent panel, integrated pop-up clip

Dimensions: 142 x 71 x 26 mm (H x W x D)

Weight: approx. 155 g

Scope of delivery: Device, battery, test report, operating instructions

ACCESSORIES OR SPARE PARTS:

ESA 100

Item No. 603013

Tube adapter/flow diverter, for screwing into the front plate of the GCO100

Item No. 603094

T-piece for plugging onto ESA 369/ESA 100

GRV 100

Item No. 603093

Check valve for attaching to ZOT 369 T-piece

Item No. 603012

Mouthpiece for breathing air measurement

GAS 100

Item No. 603587

Supplementary set for breathing air control (consisting of ESA 100, ZOT 369, GRV 100 and 5 pieces MSK 100)

GZ-10

Item No. 603133

Test gas cap GCO (for controlled gas flow GCO 100)

MSK 100 GRV 100 ZOT 369

GZ-02

Item No. 606710

Gas cylinder with 12 l test gas: 30 ppm CO

GZ-03

Item No. 606711

Gas cylinder with 12 l test gas: 30 ppm CO

GZ-12

Item No. 479183

Gas cylinder with 12 l test gas: N₂ for CO and CO₂-calibration at 0 ppm

GZ-04

Item No. 603570 Gas valve unit MiniFlo for 12 I gas bottles, 0.5 - 1.5 I/min

Item No. 601115

GB9V

Replacement battery 9 V, type IEC 6F22

GKK 3000

Item No. 601048

Device case with soft cutouts for 1x GMH 3000, 275 x 229 x 83 mm (W x H x D)

USB 3100 N

Interface converter GMH3xxx <=> PC, USB, galvanic isolation