COMPACT CO-MEASURING DEVICE

AUTOOFF
HOLD
MAXALARM
MIN MAX

HIGHLIGHTS:

- 3 display units selectable (ppm, mg/m³ and % CO Hb)
- Alert at exceeding the maximum concentration at work (MAK/AGW)
- incl. interface
- incl. calibration protocol

THE DEVICE IS ONLY INTENDED FOR CONTROL. IT IS NOT A REPLACEMENT FOR A MONITORING DEVICE SUBJECT TO AUTHORISATION!

GCO 100

Art. no. 600062

Compact CO - measuring device with alarm

General:

Carbon monoxide (CO) is created by the combustion of carbon. Depending on the effectiveness of the combustion (oxygen supply) and the temperature of the combustion more or less CO gas is created. The gas is inflammable and highly toxic. It is invisible, tasteless and scentless.

Even smallest concentrations are dangerous for humans!

Therefore a directive exists in Germany, which limits the maximum concentration of CO gas at work (MAK / AGW) to 30 ppm.

Application:

- Control of the air quality (e.g. at work place)
- Checking of heating systems, gas central-heating, fireplace
- Control of the air at maintenance work (tunnel, flue gas tract, ...)
- Detection of CO in the breath of smoker (% CO Hb)
- Cognition of CO poisoning i.e. at burnt offering (fire fighters, ...)

Specifications:

Measuring principle:	electrochemical CO measuring cell
Measuring range:	0 ... 1000 ppm CO concentration
Display ranges:	0 ... 1000 ppm CO concentration 0 ... 1250 mg/m³ CO concentration 0 ... 60.0 % CO Hb (estimation via exhaled breath gas)
Resolution:	1 ppm, 1 mg/m³ or 0.1 % CO Hb
Sensor element:	integrated in device, measuring inlet at front plate, with inner thread for accessories screw in
Life time:	>5 years at proper usage at air suggested test interval: every 6 months (depending on precision requirements)
Accuracy: (at range 0 ... 500 ppm)	
Linearity:	<±5 % of measured value ±1 digit
Repeatability:	<±5 % of measured value ±1 digit

Interference (extract)

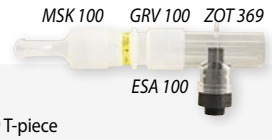
	Concentration (ppm)	Residence time (min.)	Display (ppm)
Sulphur dioxide	50	600	<1
Nitrogen dioxide	50	900	-1
Nitric oxide	50	5	8
Hydrogen	100	5	20
Carbon dioxide	5000	5	0

Display:	approx. 11 mm high, 4½-digit LCD-display
Pushbuttons:	3 membrane keys
Nominal temperature:	25 °C
Operating conditions:	-10 ... +50 °C, 15 ... 90 % RH (non-condensing)
Storage temperature:	-10 ... +50 °C
Interface:	Serial interface, direct connection to RS232 or USB interface of a PC via electrically isolated interface adapter
Power supply:	9 V battery as well as additional d.c. connector for external 10.5 ... 12 V direct voltage supply. (suitable power supply: GNG 10 / 3000)
Battery life:	>1000 h
Housing:	Impact-resistant ABS plastic housing, membrane keyboard, transparent panel, integrated pop-up clip
Dimensions:	142 x 71 x 26 mm (H x W x D)
Weight:	approx. 155 g
Scope of supply:	Device, battery, calibration protocol, manual

Accessories and spare parts:

ESA 100
Art. no. 603013
Tube adapter, flowdiverter to screw in front plates.

ZOT 369
Art. no. 603094
T-piece to plug on ESA 369 / ESA 100



GRV 100
Art. no. 603093
unidirectional valve to be plugged on ZOT 369 T-piece

MSK 100
Art. no. 603012
Mouth peace, plastic

GAS 100
Art. no. 603587
Extension set for inhaled air control
(consisting of ESA 100, ZOT 369, GRV 100 and 5 x MSK 100)

GZ-10
Art. no. 603133
Test gas cap GCO (for controlled flow with test gas)

GZ-02
Art. no. 606710
Gas bottle with 12 l test gas: 30 ppm CO

GZ-03
Art. no. 606711
Gas bottle with 12 l test gas: 300 ppm CO

GZ-04
Art. no. 603570
Gas valve unit MiniFlo for gas bottles with 12 l

GB 9 V
Art. no. 601115
Spare battery 9V, type IEC 6F22

GKK 3000
Art. no. 601048
Device case soft lining for 1x GMH 3000 (275 x 229 x 83 mm)

USB 3100 N
Art. no. 601092
Interface Converter GMH3xxx <=>PC, USB, electrical isolated