WATERPROOF HANDHELD MEASURING DEVICE FOR MEASURING OXYGEN IN AIR AND GASES

STANDARD-FUNCTIONS:

(ALARM) (AUTO-HOLD) (AUTO-OFF) (BAT) (MIN MAX) (💡)

NEW!

HIGHLIGHTS

- High display resolution (0.01 % O_2 concentration)
- Waterproof and durable (protective silicone case)
- Large double display with background lighting
- Multi-point calibration for precision measurements
- Environmental pressure compensation with integrated barometer
- Alarm function

ADDITIONAL HIGHLIGHTS - GHM 5695

- Data logger
- Analogue output
- Pressure connection

ADDITIONAL FUNCTIONS - GHM 5695:

(LOGG) (🕐)

GMH 5690
Product-ID: 607466
Waterproof air oxygen measuring device without sensor

GMH 5695
Product-ID: 607468
Waterproof air oxygen measuring device without sensor with data logger and alarm

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

Application:
Protective gas measurements for
- Welding and soldering
- Food production/packaging technology (MAP, see also the GHM 5690 GOG Set)
- For storage of foods, semiconductor components, etc.
- Immersion gas testing: Checking of oxygen concentration in nitrox, trimix or similar gas compositions
Note: Not suitable for use in 'underwater applications' (rebreather, etc.)

Specifications:	GMH 5690	GMH 5695
Measuring channels:	O_2, T, air pressure (integrated)	O_2, T, air pressure (integrated, with external connection)
Measuring ranges:		
O_2 concentration:	0.0 – 100.0 % O_2 vol. or 0.00 – 100.00 % O_2 vol. (resolution can be selected in menu)	
O_2 partial pressure:	0 – 1100 hPa O_2 / 0 – 825 mmHg O_2. 0.0 – 1100.0 hPa O_2 / 0.0 – 825.0 mmHg O_2 (resolution can be selected in menu)	
Temperature:	-5.0 ... +50.0 °C	
Air pressure:	10 ... 1200 hPa abs	300 ... 5000 hPa abs *1)
Accuracy: (device at nominal temperature = 25 °C)		
O_2 concentration:	±0.1 % ± 1 digit	
Temperature:	±0.1 °C ± 1 digit	
Air pressure:	±3 hPa or 0.1 % of MW (higher applies)	
Compatible sensors	GGO5 / GOO5 with elements GOEL 370, 380 etc.	GGA5 / GGO5 / GOO5 with elements GOEL 370, 380 etc.
Connections:		
Sensor:	7-pin bayonet connection	7-pin bayonet connection Port for pressure connection*)
Output / ext. Power supply:	OUT jack: - 38400 baud interface - 5 V external supply	OUT jack: - 38400 baud interface - Analogue output 0-1 V, adjustable - 5 V external supply
Display:	4 ½ digit, 7-segment, illuminated (white)	
Working conditions:	-25 ... +50 °C; 0 ... 95 % r.h. (non-condensing, sensor min. -5 °C)	
Power supply:	2 x AAA battery, power consumption: 0.9 mA	
Battery life:	approx. 1000 h (without lighting)	

Ingress protection:	IP65 / IP67
Housing:	Impact-resistant ABS, with stand/hanging bracket
Dimensions:	160 x 86 x 37 mm (H x W x D) including protective silicone case
Weight:	approx. 250 g, including battery and protective case
Scope of supply:	Handheld measuring device incl. batteries (2xAAA), protective silicone case, manual, quick guide

*) Optimal air pressure compensation with GGA 570 /GGA 580

Additional functions:
Backlighting: Adjustable light duration (off, 5 s ... 2 min.)

Calibration: 1 point air, 2 point or 3 point (air and zero point and 100 % O_2)

GLP: Calibration interval
Only GMH 5695: Calibration history

Data logger (only GMH 5695): Cyclical: 10,000, Single: 1000
Single value logger with measuring point input

Alarm: 2 alarm channels (O_2 and temperature) with separate alarm thresholds
Alarm notification horn / visual / interface

Accessories and spare parts:
See page 56/57 for matching sensors

GKK 3600
Product-ID: 601062
with napped foam for universal application (394 x 294 x 106 mm)

USB 5100
Product-ID: 601095
Interface converter GMH 5xxx <=> PC

GSOFT 3050
Product-ID: 601336
Windows software for GMBH 3000 and GMH 5000 handheld measuring devices with logger function