

WATERPROOF HANDHELD MEASURING DEVICE



HIGHLIGHTS

- High display resolution (0.01 % O₂ 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:



SUITABLE SENSORS
SEE PAGE 77

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

GMH 5690

Art. no. 607466

Waterproof air oxygen measuring device without sensor

GMH 5695

Art. no. 607468

Waterproof air oxygen measuring device without sensor with data logger and alarm

Application:

Protective gas measurements for
- Welding and soldering
- Food production/packaging technology (MAP, see also the Resox 5695-H/-L)
- 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		
O₂ concentration:	0.0 ... 100.0 % O ₂ Vol. or 0.00 ... 100.00 % O ₂ Vol. (resolution can be selected in menu)	
O₂ 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 *)
Accuracy: (device at nominal temperature = 25 °C)		
O₂ concentration:	±0.1 % ±1 digit	
Temperature:	±0.1 °C ±1 digit	
Air pressure:	±3 hPa or 0.1 % of m.w. (higher applies)	
Compatible sensors:	GGO5 / GOO5 with elements GOEL 370, 381 etc.	GGA5 / GGO5 / GOO5 with elements GOEL 370, 381 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)	
Operating conditions:	-25 ... +50 °C; 0 ... 95 % RH (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
GMH 5695 only:	Calibration history
Data logger (GMH 5695 only):	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 77 /78 for matching sensors
GKK 3600	
Art. no. 601062	Case with napped foam for universal application (394 x 294 x 106 mm)
USB 5100	
Art. no. 601095	Interface converter GMH 5xxx <=> PC
GSOFT 3050	
Art. no. 601336	Windows software for GMBH 3000 and GMH 5000 handheld measuring devices with logger function