PORTABLE INSTRUMENTS

SOFTWARE

ACCESSORIES

ALARM / PROTECTION LEVEL

WATERPROOF ATMOSPHERIC OXYGEN METER

HIGHLIGHTS

- High display resolution (0.01 % O_2 concentration)
- Waterproof and robust (silicone protective cover)
- Large backlit double display
- Multi-point calibration for precision measurements
- Ambient pressure compensation with integrated barometer
- Alarm function

ADDITIONAL HIGHLIGHTS GMH 5695

- Data logger
- Analog output
- Pressure connection

ADDITIONAL FUNCTIONS GMH 5695:

GMH 5690
Item No. 607466
Portable instrument for gaseous oxygen, device only, without sensor

GMH 5695
Item No. 607468
Portable instrument for gaseous oxygen with data logger,
device only, without sensor

APPLICATION:

Inert gas measurements at
- Welding and soldering
- Food technology / packaging technology (MAP, see also the ResOx 5695 set)
- For storage of food, semiconductor components, etc.
- Immersion gas test: checking the oxygen concentration in nitrox, trimix or similar gas mixtures
Note: not suitable for use in "underwater applications" (rebreather etc.)

TECHNICAL SPECIFICATIONS:	GMH 5690	GMH 5695
Measurement 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 via 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 via menu)	
Temperature:	-5.0 .. + 50.0 °C	
Air pressure:	10..1200 hPa abs	300..5000 hPa abs *)
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 meas. MW (higher applicable)	
Compatible sensors	GGO5 / GOO5 with elements GOEL 370, 381, etc.	GGA5 / GGO5 / GOO5 with elements GOEL 370, 381, etc.
Connections		
Sensor:	7-pole bayonet connection	7-pole bayonet connection nozzle for pressure connection *)
Output / ext. Care:	OUT jack: - Interface 38400 baud - external supply 5 V	OUT jack: - Interface 38400 baud - Analog output 0..1 V, adjustable - external supply 5 V
Display:	4 ½ digits 7-segment, illuminated (white)	
Working conditions:	-25 .. + 50 °C; 0..95 % RH (non-condensing, sensor min -5 °C)	

Power supply:	2 x AAA batteries, power consumption: 0.9 mA
Battery life:	approx. 1000 h (without lighting)
Protection class:	IP65 / IP67
Housing:	impact-resistant ABS, with stand-up / hanging bracket
Dimensions:	160 x 86 x 37 mm (H x W x D) including silicone protective cover
Weight:	approx. 250 g including battery and protective cover
Scope of delivery:	Portable instrument including batteries (2 x AAA), silicone protective cover, operating instructions, quick reference, test report

*) Optimal air pressure compensation with GGA 570 / GGA 581

ADDITIONAL FUNCTIONS:

Background lighting: duration adjustable (off, 5 s..2 min.)

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

GLP: Calibration interval **only GMH 5695:** calibration history

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

Alarm: 2 alarm channels (O_2 and temperature) with separate alarm limits. Alerting sounder / visual / interface

ACCESSORIES OR SPARE PARTS:

GKK 3600
Item No. 601062
Case with knob foam for universal use, 395 x 295 x 106 mm (W x H x D)

USB 5100
Item No. 601095
Interface converter GMH 5xxx <=> PC

GSOFT 3050
Item No. 601336
Windows software for GMH 3000 and GMH 5000 with logger