

## G 1000 series.

### Pure & tireless measurement.

Innovative compact measuring devices



G 1410, EC meter    G 1700, thermometer



G 1610, oxygen

### Application areas

- freshwater and salt water aquariums
- reverse osmosis and similar filters
- cleaning processes
- cooling/ lubricating processes
- plant husbandry and agriculture
- laboratories
- quality assurance
- service



G 1500, pH meter





## The proven reference class

A large assortment of variants and wide selection of sensors and accessories ensures a solution exactly for your application. The comprehensive functions make the GMH 3000 series flexible in use for the widest variety of measuring tasks. Complete sets with universal sensors are also available.

All of the measuring devices for pH/ Redox (GMH 3500), conductivity/ TDS/ salinity (GMH 3400) and oxygen concentration (GMH 3600) are available in various functional versions. In the process, the same high-quality measuring technology is included in every variant of the respective measured variable: Optimized and power-saving precision measuring inputs.

You choose the functionality according to your requirements and only pay for what you actually need. In the process, available equipment features include:

- Data logger with up to 1000 values at the push of a button or up to 10,000 values automatically.
- Interface for measurement detection on the PC or for evaluation of logger data with the evaluation software GSOF 3050.

The interface adapters for USB and RS323 are galvanically isolated – this minimizes widespread practical problems with measurement in processes with earthed tanks. Analogue output 0–1V – for connection to the printer with alarm buzzer if the display is not in view.

## Advantages

- different equipment variants of devices – individually combinable for your requirements
- interface for data recording directly on site is always possible with Easy Control or EBS 20M software
- the support enables convenient reading of measurements
- best-in-class price/ performance ratio
- additional devices in the series for temperature, pressure, material humidity and oxygen are available – a comprehensive device concept that goes well beyond water analysis

# GMH 3000 series.

## Professional standard.

Flexible for your application



GMH 3531

### Application areas

- freshwater and salt water aquariums
- reverse osmosis and similar filters
- cleaning processes
- measurements in boiler feed water and heating water
- adiabatic humidification and cooling processes
- cooling/ lubricating processes in machining
- food: milk, cheese, meat, e.g. with special insertion electrodes
- plant husbandry and agriculture
- laboratories
- quality assurance
- service





## Performance and durability

The GMH 5000 series combines the flexibility of the GMH 3000 devices with the waterproof capability of the G 1000 series.

Therefore, a reliable field measuring device as available for use in unpleasant places: in outdoor use in inclement weather and in darkness, indoors where it is damp and dirty.

The modern and ergonomic design has also been developed for modern laboratory use.

At the same time, the GMH 5000 series can be used in sewage treatment plants of various sizes – the applicability in this case is guaranteed for use in the laboratory and in the field alike.

## Advantages

- easy recognition of measurements with large backlit display, in darkness or in bright sunlight
- optimized impact and fall protection, as well as practical handling with a tear-resistant silicone protective cover
- reliable plug connections guarantee a long device service life with high comfort due to bayonet technology
- interface with additional speed (8 times as fast as the GMH 3000 series) for rapid reading of logger devices
- the support enables convenient reading of measurements
- protected from water and weather influences
- floatable device design
- practical sets available, incl. transport case to help maintain order at the measuring point

## G 5000 series.

**Durable and protected from weather influences.**

The reliable partner in demanding field use



GMH 5430

### Application areas

- sewage treatment plants
- industry and skilled trades
- measurements in water bodies, aquariums and fish husbandry
- drinking water monitoring
- process monitoring
- soil measurement
- food production and control
- quality assurance
- medicine
- pharmaceuticals
- chemicals



GMH 5630





## G 7500

A multi-channel measuring device was developed based on our proven G 1000/ GMH 3000/ GMH 5000 individual-parameter devices. This combines multi-channel measurement with the proven housing of the GMH 5000 series.

Numerous applications demand simultaneous measurement of multiple measured variables. For example, simultaneous measurement of pH and oxygen is desired when monitoring bodies of water – the G 7500 determines both measurements in one device.

A very interesting application area for the combination of pH and conductivity is the current trend market of vertical farming/ urban farming.

A daylight-compatible backlit graphic display is used for optimal visualization. At the same time, simple measurement and easy calibration are guaranteed with the plain text display with various language settings. There are no longer any limitations on the measurement recording, because the buffer size of the data logger is very large. Our proven sensor connections are installed in the devices. As a result, system costs are kept in check and the flexibility of the free sensor selection adapted to your emphases is guaranteed.

## Advantages

- simultaneous measurement of pH/ oxygen or pH/ conductivity and the corresponding temperatures
- integrated galvanic isolation enables simultaneous measurement with affordable standards sensors
- the display enables convenient reading of several values simultaneously and the measurement curve in diagram form
- the data logger can be read directly via USB – with standard smartphone cable or software
- simple and convenient battery charging via USB connection