

## PRECISE CONDUCTIVITY MEASURING DEVICE



## HIGHLIGHTS:

- Modern and functional housing
- Outstanding price/performance ratio
- 3-line display / overhead display at the push of a button
- Backlighting
- Waterproof (IP67)
- Durable, long battery life
- High-quality measuring cell for wider range of application included
- rapid measurement detection



## SUCCESSOR TO THE GLF 100... PRODUCTS

THEY ARE STILL AVAILABLE  
ON REQUEST - CONTACT US  
IMMEDIATELY!

**G 1410-1002**

Art. no. 474039

Universal conductivity measuring device  
Device, measuring cell LF 202, 2 pole graphite, fix mounted,  
in suitcase GKK1002

**G 1420-1002**

Art. no. 474040

high resolution ultrapure water conductivity measuring  
device; Device, measuring cell LF 200 RW, 2 pole stainless  
steel, fix mounted, in suitcase GKK1002

**G 1410**

Art. no. 610006

Universal conductivity measuring device of up to  
100 mS/cm, incl. graphite measuring cell

**G 1420**

Art. no. 610007

high resolution ultrapure water conductivity measuring  
device up to 100 µS/cm, incl. stainless steel measuring cell

**General:**

The primary focus in the development of the new GMH 1000 series was placed on the essential functions of the measurement technology. Pure measurement with a focus on precision, speed and reliability packaged in a compact housing distinguish an impressive price/performance ratio, Made in Germany.

The new handheld measuring devices also impress with their ergonomic design, dust and water-protected design in accordance with IP 65/67 and the illuminated display. The compact conductivity measuring device as a G 1410 is a precise and durable wide-range measuring cell for universal use from DI water to salt water. As a G 1420, it has a specialised measuring cell for high-resolution clean/cleanest water applications.

**Application:**

Freshwater and salt water aquariums, reverse osmosis and similar filters, cleaning processes, cooling/lubricating processes, plant cultivation and agriculture; laboratories, quality assurance, service

**Operation:**

4 long-lasting, easy-to-operate buttons

**Additional functions:**

automatic measuring range shifting, automatic temperature compensation

**Operating conditions:**

**Device:** -20 ... +50 °C, 0 ... 95 % RH (non condensing)  
**measuring cell:**  
-5 ... +80 °C (shorttime 100 °C)

**Power supply:**

2 x AA battery,  
>1000 h operating time

**Protection rating:**

IP65 / IP67

**Housing:**

Break-proof ABS housing

**Dimensions:**

108 x 54 x 28 mm (H x W x D)  
without sensor connection

**Weight:**

approx. 200 g (G 1410)  
approx. 230 g (G 1420)

**Scope of supply:**

Device with measuring cell,  
calibration log, 2 x battery, manual

Specifications:	G 1410	G 1420
	Wide-range measuring device, incl. graphite measuring cell	Cleanest water version, incl. stainless steel measuring cell
<b>Measurement:</b>	Conductivity, salinity, TDS	conductivity, specific resistance:
<b>Measuring range:</b>	With automatic measuring range shifting	
<b>Conductivity:</b>	0 ... 2000 µS/cm 0.00 ... 20.00 mS/cm 0.0 ... 100.0 mS/cm	0.000 ... 2.000 µS/cm 0.00 ... 20.00 µS/cm 0.0 ... 100.0 µS/cm
<b>Specific resistance:</b>	--	0.0100 ... 0.2000 MOhm*cm 0.010 ... 2.000 MOhm*cm 0.01 ... 20.00 MOhm*cm
<b>TDS:</b>	0 ... 2000 mg/l	--
<b>Salinity (PSU):</b>	0.0 ... 50.0 g/kg	--
<b>Temperature:</b>	-5.0 ... +105.0 °C	-5.0 ... +105.0 °C
<b>Accuracy</b>		
<b>Conductivity:</b>	±0.5 % of m.v. ±0.5 % FS	Typ. ±1 % of m.v. ±0.5 % FS
<b>Temperature:</b>	±0.3 °C	±0.3 °C
<b>Temperature compensation:</b>	off: deactivated nLF: non-linear, according to EN 27888	off: deactivated nLF: non-linear, according to EN 27888 LIN: linear with variable coefficients NaCl: For weak NaCl solutions in accordance with EN 60746-3
<b>Reference temperatures:</b>	20 and 25 °C	20 and 25 °C
<b>Sensors / measuring inputs:</b>	permanently connected 2-pole measuring cell with integrated temperature sensor	
<b>Measuring cell:</b>	2-pole measuring cell, Ø 12 mm (graphite), cable 1.2 m (others available for surcharge)	2-pole measuring cell, Ø 12 mm (stainless steel 1.4404, 1.4435), cable 1.2 m (others available for surcharge)
<b>Display:</b>	3-line unit with battery status indicator, background light, protected by an unbreakable pane, overhead display at the push of a button	

**Accessories and spare parts:****GKL 100**

Art. no. 601396

Conductivity control solution  
(100 ml bottle with 1413 µS/cm, in accordance with DIN EN 27888)

**GKL 101**

Art. no. 601398

Conductivity control solution  
(250 ml bottle with 84 µS/cm)

**GKL 102**

Art. no. 601400

Conductivity control solution  
(100 ml bottle with 50 mS/cm)

**HD-22-3**

Art. no. 700040

freely positionable laboratory sensor holding arm for sensors Ø12mm

**GWZ-01**

Art. no. 603499

Flow-through chamber for sensors with Ø 12 mm, tube connection Ø 6 mm

**ST-G1000**

Art. no. 611373

Protection bag, leather

**GB AA**

Art.-Nr: 610049

Spare battery Mignon (AA) 1,5 V (2 batteries required)

**GKK 1002**

Art. no. 411907

Case G1000 series water analysis small