

CONDUCTIVITY MEASURING DEVICES



HIGHLIGHTS:

- Automatic measuring range change-over
- Automatic temperature compensation via integrated temperature sensor
- Incl. measuring cell

**GLF 100**

Art. no. 600109  
Universal conductivity measuring device  
(incl. calibration protocol)

**Application:**

- Fresh and sea water aquaristics
- Fish farming / water monitoring
- Drink water monitoring, etc

**GLF 100 RW**

Art. no. 600111  
Conductivity meter for ultra-pure water

**Application:**

- Checking of pure and ultra-pure water
- Checking of boiler water
- Functional check of ion exchangers

Specifications:	GLF 100	GLF 100 RW
<b>Measuring ranges</b>		
<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>Temperature:</b>	-5.0 ... +100.0 °C	-5.0 ... +100.0 °C
<b>TDS:</b>	0 ... 2000 mg/l	--
<b>Salinity:</b>	0.0 ... 50.0 g / kg water	--
<b>Resistivity:</b>	--	0.0100 ... 0.2000 MΩ*cm 0.010 ... 2.000 MΩ*cm 0.01 ... 20.00 MΩ*cm
<b>Accuracy (±1 digit, at nominal temperature = 25 °C)</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, acc. to EN 27888 -- --	off: deactivated nLF: non-linear, acc. to EN 27888 LIN: linear, with adjustable coefficients NaCl: compensation for weak NaCl-solutions acc. to EN 60746-3
<b>Reference temperatures:</b>	20 and 25 °C	20 and 25 °C
<b>Measuring cell:</b>	2-pole measuring cell, Ø 12 mm (graphite) Cable length: 1.2 m, with integrated temperature sensor	2-pole measuring cell, Ø 12 mm (stainless steel: 1.4404, 1.4435) Cable length: 1.2 m with integrated temperature sensor
<b>Warranty for sensor element:</b>	12 months	
<b>Display:</b>	approx. 11 mm high, 4½-digit LCD-display	
<b>Operating conditions:</b>	Device: -25 ... +50 °C, 0 ... 95 % RH (non condensing) Measuring cell: -5 ... +80 °C (for short-time: 100 °C)	
<b>Power supply:</b>	9 V battery	
<b>Battery life:</b>	approx. 200 h	
<b>Housing:</b>	impact resistant ABS, membrane keyboard, transparent panel	
<b>Dimensions (device):</b>	110 x 67 x 30 mm (H x W x D)	
<b>Weight:</b>	approx. 155 g	
<b>Scope of supply:</b>	Device incl. measuring cell, battery, calibration protocol (only GLF 100), manual	

**The measuring cell:**

The measuring head is designed without compromise. The holes ensure the well exchange of the measuring fluid, nonetheless the sensor is protected against mechanical loads. The integrated temperature sensor has very quick response time. Compared to simpler electrode designs the measurements are much more accurate and faster.

**GLF 100:**

Graphite used as material for the electrodes makes the applicability up to 100 mS / cm possible - a must have in seawater analytic



**GLF 100 RW:**

Universal applicability at highest standards is made possible by the use of stainless steel electrodes (1.4404).



**Accessories and spare parts:**

**GKL 100**

Art. no. 601396  
Conductivity control solution  
(100 ml bottles with 1413 µS / cm acc. to DIN EN 27888)

**GKL 101**

Art. no. 601398  
Conductivity control solution  
(250 ml bottles with 84 µS / cm)

**GKL 102**

Art. no. 601400  
Conductivity control solution  
(100 ml bottles with 50 mS / cm)

**HD-22-3**

Art. no. 700040  
Freely positionable, flexible laboratory electrode holding arm. For probes with Ø 12 mm.

**GWZ-01**

Art. no. 603499  
Flow-through chamber (for measuring cell with Ø 12 mm, hose connection Ø 6 mm)



HANDHELD INSTRUMENT | DISPLAY / CONTROLLER | LOGGER- / BUS SYSTEMS | TRANSMITTER | TEMPERATURE PROBE | ALARM / PROTECTION, LEVEL