

Conductivity measuring devices



- 3 conductivity measuring ranges
- Automatic measuring range change-over
- Min/max-value memory, Hold function
- Automatic temperature compensation via integrated temperature sensor
- Adjustable

GLF 100

Universal conductivity measuring device
(incl. calibration protocol)

Application:

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

GLF 100 RW

Conductivity meter for ultra-pure water

Application:

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

**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, 1.4435).

Option:**LTG**

(just with GLF 100)
for organic matter (alcohol, petrol, diesel) up to max. 1000 µS/cm with glass shaft, platinum electrodes, 1.35 m PUR-cable, fix connected with device

Accessories and spare parts:**GKL 100**

Conductivity control solution (100 ml bottles with 1413 µS/cm (acc. to DIN EN 27888))

GKL 101

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

GKL 102

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

GEH 1

Swivel-arm electrode-retainer (for up to 4 electrodes / probes)

GWZ-01

Flow-through chamber (for measuring cell with Ø 12 mm, hose connection Ø 6 mm)

Specification:	GLF 100	GLF 100 RW
Measuring ranges:		
Conductivity:	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
Temperature:	-5.0 ... +100.0 °C	-5.0 ... +100.0 °C
TDS:	0 ... 2000 mg/l	--
Salinity:	0.0 ... 50.0	--
Resistivity:	--	0.0100 ... 0.2000 MΩ*cm 0.010 ... 2.000 MΩ*cm 0.01 ... 20.00 MΩ*cm
Accuracy: (±1 digit, at nominal temperature = 25 °C)		
Conductivity:	±0.5 % of m.v. ±0.5 % FS	typ. ±1 % of m.v. ±0.5 % FS
Temperature:	±0.3 °C	±0.3 °C
Temperature-compensation:	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
Reference temperatures:	20 and 25 °C	20 and 25 °C
Measuring cell:	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
warranty for sensor element:	12 months	
Display:	approx. 11 mm high, 4½-digit LCD-display	
Working conditions:		
Device:	-25 ... +50 °C, 0 ... 95 % RH (non condensing)	
Measuring cell:	-5 ... +80 °C (for short-time: 100 °C)	
Power supply:	9 V-battery, type 6F22 (in scope of supply)	
Power consumption:	< 1.5 mA	
Housing:	impact resistant ABS, membrane keyboard, transparent panel, front side IP65	
Dimensions (device):	110 x 67 x 30 mm (L x W x D)	
Weight:	approx. 155 g	

Functions:

Hold function: by keypress the current measuring value will be "frozen"

Min/max-value memory: the min. and max. measured value is stored

Power-Off-function: device turns off after some time (adjustable: 1-120 min or deactivated), if no operating has taken