

**All-purpose
Conductivity
Measuring Device
GLF 100**



testing equipment for quality management

ERICHSEN

Technical Description

**Water analysis
Conductivity**

All-purpose Conductivity Measuring Device GLF 100

Application: Soft and salt water aquaristics , fish farming / water monitoring, checking of drinking water etc.

Highlights:

- Long-living 2-pole graphite measuring cell
- 3 measuring ranges for conductivity (up to 100.0 mS/cm)
- High resolution: 0.001 μ S/cm
- Additional display alternatives: TDS, salinity and temperature
- Auto-range (switch-able to a fixed measuring range)
- Automatic temperature compensation (nLF according EN 27888) by an integrated temperature sensor (can be deactivated)
- Low current consumption
- Min-/max- value memory- and hold-function
- Adjustable
- Auto-power-off: if not used, the device automatically switches off after an adjustable period of time; continuous operation possible

Design conception:

The GLF100 is equipped with high-quality measuring technology. Due to its consistent design the price/performance ratio could be improved to an all-time level. Other design features of the GLF100 are its robustness and reliable working. The low power consumption and the use of 9V-batteries, that are everywhere available in contrast to special batteries, assure that the device is always ready for use, when you need it.

The measuring adapter:

The measuring head is designed without compromise. The holes ensure very good exchange of the measuring fluid, nonetheless the sensor is protected against mechanical loads. The integrated temperature sensor has a very quick response time. Compared to simpler electrode designs the measurements are much more accurate and faster. Graphite used as material for the electrodes makes the accuracy up to 100 mS/cm possible – a must have in seawater analytic.

Technical Data

Measuring range	conductivity	0 ... 2000 μ S/cm 0,00 ... 20,00 mS/cm 0,0 ... 100,0 mS/cm
	TDS, salinity	0 ... 2000 mg/l 0,0 ... 50,0 g/kg
	temperature	-5,0 ... +100,0 °C 23,0 ... 212,0 °F
Accuracy	conductivity, TDS, salinity	\pm 0,5 % of reading; \pm 0,5 % full scale
Temperature		\pm 0,3 K
Temperature compensation		off: deactivated nLF: non-linear function for natural water according EN 27888 reference temperature 20 °C or 25 °C
Power supply		9V-battery, type 6F22 (in scope of supply) current consumption <1,5 mA

Order Information	
Ord.-No.	Product-Description
0100.01.51	All-purpose conductivity measuring device GLF 100 incl. 2-pole graphite electrode, battery and operating manual

TBE – GLF 100 – II/2010
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