CONDUCTIVITY MEASURING DEVICES



FUNCTIONS:

AUTO OFF · HOLD · MIN MAX

GLF 100

Product-ID: 600109

Universal conductivity measuring device (incl. calibration protocol)

Application:

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



FUNCTIONS:

AUTO OFF · HOLD · MIN MAX

GLF 100 RW

Product-ID: 600111

Conductivity meter for ultra-pure water

Application:

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

AUTOMATIC MEASURING RANGE CHANGE-OVER

AUTOMATIC TEMPERATURE COMPENSATION VIA INTEGRATED TEMPERATURE SENSOR

Specifications:	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	
Power consumption:	< 1.5 mA	
Housing:	impact resistant ABS, membrane keyboard, transparent panel, front side IP65	
Dimensions (device):	110 x 67 x 30 mm (H x W x D)	
Weight:	approx. 155 g	
Scope of supply:	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, 1.4435).



Accessories and spare parts:

GKL 100
Product-ID: 601396
Conductivity control solution
(100 ml bottles with 1413 µS/cm acc. to DIN EN 27888)

GKL 101
Product-ID: 601398
Conductivity control solution (250 ml bottles with 84 µS/cm)

GKL 102
Product-ID: 601400
Conductivity control solution (100 ml bottles with 50 mS/cm)

GEH 1
Product-ID: 601089
Swivel-arm electrode-retainer
(for up to 4 electrodes / probes)

GWZ-01
Product-ID: 603499
Flow-through chamber (for measuring cell with Ø 12 mm, hose connection Ø 6 mm)



for additional accessories p.r.t. page 72 - 78