

PRECISE CONDUCTIVITY METER



ROBUST AND GOOD VALUE



HIGHLIGHTS:

- Modern and functional housing
- Excellent price-performance ratio
- 3-line display / overhead display at the push of a button
- Backlit
- Waterproof (IP67)
- Robust, long battery life
- including high-quality measuring cells for a wide range of applications
- quick determination of measured values



SUCCESSOR TO GLF 100
...PRODUCT SERIES

G 1410

Item No. 610006

Universal conductivity meter up to max 100 mS/cm, including graphite measuring cell

G 1410-1002

Item No. 474039

Universal conductivity meter Device, measuring cell LF 202, 2-pole graphite, permanently connected, in case GKK1002

G 1420

Item No. 610007

high-resolution ultrapure water conductivity meter up to max 100 µS/cm, including stainless steel measuring cell

G 1420-1002

Item No. 474040

high-resolution ultrapure water conductivity meter Device, measuring cell LF 200 RW, 2-pole stainless steel / PEEK, firmly connected, in case GKK 1002

GENERAL:

When developing the new G 1000 series, the focus was consciously on the essential functions of the measurement technology. Pure measurement with a focus on precision, speed and reliability, packaged in a compact housing, enables the outstanding price/performance ratio, Made in Germany.

The new handheld meters also feature an ergonomic design, IP 65/67 dust and water protection, and an illuminated display. The compact conductivity meter, the G 1410, has a precise and long-lasting wide-range measuring cell for universal use from DI water to seawater. As the G 1420, it has a specialized measuring cell for high-resolution pure/ultrapure water applications.

APPLICATION:

Fresh and sea water aquariums, reverse osmosis and similar filters, cleaning processes, cooling/lubricating processes, plant cultivation and agriculture; Laboratories, quality assurance, service

Service:

4 durable, easy-to-use buttons

Additional functions:

automatic measuring range switching, automatic temperature compensation

Working conditions:

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

Power supply:

2 x AA batteries, > 1000 h battery life

Protection class:

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 delivery:

Device with measuring cell, test report, 2 x batteries, operating instructions

ACCESSORIES OR SPARE PARTS:

GKL 100

Item No. 601396

Conductivity control solution Control solution 1413 µS/cm, 100 ml bottle, according to DIN EN 27888

GKL 101

Item No. 601398

Conductivity control solution 84 µS/cm, 250 ml bottle

GKL 102

Item No. 601400

Conductivity control solution 50 mS/cm, 100 ml bottle

HD-22-3

Item No. 700040

Freely positionable laboratory sensor holding arm for sensors Ø12mm

GWZ-01

Item No. 603499

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

ST-G1000

Item No. 611373

Protective bag, leather

GB AA

Item No: 610049

Replacement battery Mignon (AA) 1.5 V (2 pieces are required)

GKK 1002

Item No. 411907

Case for G1000 series water analysis small

TECHNICAL SPECIFICATIONS:	G 1410	G 1420
Measurement:	Wide range measuring instrument including graphite measuring cell	Ultrapure water version including stainless steel measuring cell
Measuring ranges:	Conductivity, salinity, TDS each with automatic measuring range switching	
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
Specific resistance:	--	0.0100..0.2000 MOhm * cm 0.010..2.000 MOhm * cm 0.01..20.00 MOhm * cm
TDS:	0..2000 mg/l	--
Salinity (PSU):	0.0..50.0 g/kg	--
Temperature:	-5.0 .. + 105.0 °C	-5.0 .. + 105.0 °C
accuracy		
Conductivity:	± 0.5 % of meas. MW. ± 0.5 % FS	Type: ± 1 % of meas. MW. ± 0.5 % FS
Temperature:	± 0.3 °C	± 0.3 °C
Temperature compensation:	off: deactivated nLF: non-linear, according to EN 27888	off: deactivated nLF: non-linear, according to EN 27888 LIN: linear with adjustable coefficient NaCl: For weak NaCl solutions according to EN 60746-3
Reference temperatures:	20 and 25 °C	20 and 25 °C
Sensors / measuring inputs:	permanently connected 2-pole measuring cell with integrated temperature sensor	
Measuring cell:	2-pole measuring cell, Ø 12 mm (graphite), cable 1.2 m (others at extra cost)	2-pole measuring cell, Ø 12 mm (stainless steel 1.4404, 1.4435), cable 1.2 m (others at extra cost)
Display:	3-line with battery level indicator, backlit, protected by break-resistant glass, overhead display at the push of a button	