

## Product Information

### Conductivity meter / EC-Meter G 1409



- Carefree precise measurement up to 5000  $\mu\text{S/cm}$
- Display also in EC (=mS/cm) CF or TDS(=mg/l)
- Modern and functional housing
- Excellent price-performance ratio
- Long term stable and fast titanium measuring cell
- 3-line illuminated display / overhead display at the push of a button
- Waterproof (IP67)
- Robust, long battery life
- Made in Germany

### Features

The primary focus in the development of the new G 1000 series was placed on the essential functions of the measurement technology - a sensor tailor-made for the applications is at the center of attention!

Precision, speed and reliability, packed in a compact and water-protected housing make the device a reliable partner of service and craftsmen, and they support the green thumb of plant growers and agriculturists, Made in Germany.

The measuring devices with the high-precision sensor can be used up to 5000  $\mu\text{S/cm}$  and are therefore cost-optimized professional devices for use in the areas

- aquaculture, hydroponics, plant breeding
- Water treatment (e.g. osmosis plants)
- Boiler feed water / heating construction.
- and many more...

The long-term stable titanium measuring cell can be calibrated with GKL 100 calibration solution, the integrated temperature sensor compensates temperature changes very quickly and accurately.

The G 1409 - a reliable professional device for daily use as an alternative / upgrade to entry-level measuring sticks!

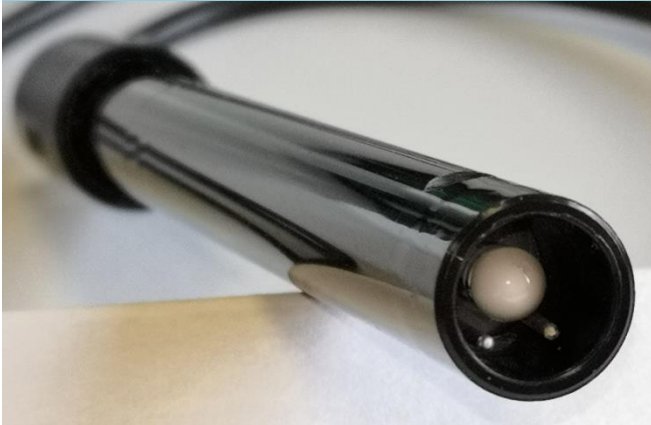
### Technical data

G 1409 EC-Meter incl. Titanium electrode

Measuring	Conductivity, EC, TDS, Temperatur
Conductivity	0...5000 $\mu\text{S/cm}$
EC	0...5.000 EC (equals mS/cm)
CF	50.00 CF (equals 10 x EC)
TDS	00...2000 mg/l (ppm)
	TDS Factor adjustable, e.g. to commonly used 0.500 or 0.700
Temperature	-5.0...+80.0 °C
Accuracy	
Conductivity up to 2000 $\mu\text{S/cm}$ :	typ. $\pm 1\%$ of value $\pm 0.5\%$ FS
Temperatur	$\pm 0.3\text{ °C}$
Temperature compensation	Off: deactivated nIF: non linear, acc. To EN 27888
Sensor	Permanently connected 2-pole measuring cell with integrated fast temperature sensor, 2-pole $\varnothing 12\text{ mm}$ (Titanium)
Cable length	1.2 m
Display	3 -line with battery status indicator, background light, protected by an break-proof pane, overhead display at key press
Operation	4 long-lasting buttons
Additional functions	automatic temperature compensation
Ambient	Instrument -20...+50 °C Sensor -5...+80 °C
Supply	2 x AA battery
Operation time	>1000 h
Ingress protection	IP 65 and IP 67
Housing	Break-proof ABS housing
Dimensions	108 x 54 x 28 mm (H x W x T) without sensor
Weight	approx. 200 g

## Product Information

### Sensor



Measuring cell LF 209, 2 pole titanium:  
nearly maintenance free, applicable up to 5000  $\mu\text{S}/\text{cm}$ .

### Scope of delivery

- handheld measuring device with permanently connected measuring cell:
- Test report
- 2x AA battery
- Operating manual

### Ordering code

G1409- 1

1.	Set-Option
	Basic scope of delivery
1002	Instrument with sensor and suitcase GKK 1002

Alternatively there are other sets available, e.g. with more than one instrument per suitcase.

### Accessories

ST-G1000 (article no. 611373)  
Device protection bag with 1 round cut-out and belt clip

GCLIP1000 (article no. 475820)  
Metal belt clip, self-adhesive

GKL 100 (article no. 601396)  
Calibration solution 1413  $\mu\text{S}/\text{cm}$  in wide neck bottle

Cases:

GKK 1001 (article no. 611604)  
Compact storage of the device and excess space for equipment (395x295x106 mm)

GKK 1002 (article no. 411907)  
With recesses for a device with sensor of G1400/G1500/G1600 series. Additional recess for temperature sensor GF1T (235 x 185 x 48 mm)

GKK 1003 (article no. 411917)  
With recesses for a 2 devices and sensor G1400/G1500/G1600 series. Add. Recess for t-probe GF1T and 2 PHL buffer or GKL calibration solution and accessories (450 x 360 x 106 mm)