

OPTIMIZED EC-METER FOR HYDROCULTURE, INDOOR FARMING, HYDROPONICS

**NEW!**

LF 209

HIGHLIGHTS:

- Carefree precise measurements up to 5000 $\mu\text{S}/\text{cm}$
- Display also in EC (= mS/cm) CF or TDS (= mg/l)
- 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

G1409

Item No. 480846

waterproof compact EC meter / conductivity device up to 5000 $\mu\text{S}/\text{cm}$, 2-pole titanium measuring cell

G1409-1002

Item No. 480847

waterproof compact EC meter / conductivity device up to 5000 $\mu\text{S}/\text{cm}$, 2-pole titanium measuring cell in case GKK 1002

GENERAL:

When developing the new G1409, the focus was consciously on the essential functions of the measurement technology – the focus is on a sensor tailored to the application!

Precision, speed and reliability, packaged in a compact and water-protected housing, make the device a reliable partner for service and trade and sustainably support the "green thumb" when used in plant farming and agriculture, Made in Germany.

APPLICATION:

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

- Aquaculture, hydro culture / hydroponics, plant farming
- Water treatment (e.g. osmosis systems)
- Boiler feed water / heating construction.

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 precisely.

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

TECHNICAL SPECIFICATIONS:

Measurement:	Conductivity, EC, TDS, temperature
Conductivity:	0 ... 5000 $\mu\text{S}/\text{cm}$
EC:	0 ... 5,000 EC (corresponds to mS/cm)
CF:	50.00 CF (corresponds to 10 x EC)
TDS:	0 ... 2000 mg/l (ppm) TDS factor adjustable, e.g. B. usual 0.500 or 0.700
Temperature:	-5.0 ... + 80.0 °C
Accuracy:	
Conductivity up to 2000 $\mu\text{S}/\text{cm}$:	Type: $\pm 1\%$ of meas. MW $\pm 0.5\%$ FS
Temperature:	$\pm 0.3\text{ °C}$
Temperature compensation:	Off: deactivated nLF: non-linear, according to EN 27888
Sensor:	Permanently connected measuring cell, 2-pole, $\varnothing 12\text{ mm}$ (titanium) with fast integrated temperature sensor
Cable length:	1,2 m
Display:	3-line with battery status display, backlight, protected by a break-proof pane, overhead display at the push of a button
Service:	4 long-life pushbuttons
Additional functions:	automatic temperature compensation
Surroundings:	Display device -20 ... + 50 °C
Sensor:	-5 ... + 80 °C
Care:	2x AA battery
Battery life:	> 1000 h
Protection class:	IP 65/67
Housing:	Break-proof ABS
Dimensions:	108 x 54 x 28 mm (H x W x D) without sensor
Weight:	approx. 200 g
Scope of delivery:	Portable instrument with permanently connected sensor, test report, 2x AA batteries, operating instructions

ACCESSORIES**ST-G1000**

Item No. 611373

Device protection bag with 1 cutout round hole and belt clip

GCLIP1000

Item No. 475820

Metal belt clip self-adhesive

GKL 100

Item No. 601396

Calibration solution in 1413 $\mu\text{S}/\text{cm}$ in a wide neck bottle

CASE**GKK 1001**

Item No. 611604

Cut-out for device and excess space for accessories (395x295x106 mm)

GKK 1002

Item No. 411907

With cut-outs for a device with sensor G1400/G1500/G1600 series. Additional recess for temperature sensor GF1T (235 x 185 x 48 mm)

GKK 1003

(Article no. 411917)

With cutouts for 2 devices with sensor G1400/G1500/G1600 series. Additional cutout for temperature sensor GF1T and 2 PHL buffers or GKL calibration solution and accessories (450 x 360 x 106 mm)