

- **Gold Plated BNC**
- **Pre-programmed standards**
pH: 1.68, 2.00, 4.00, 4.01, 6.87, 6.99, 9.18, 9.21, 10.01, 12.00, 12.45 (at 25°C)
Conductivity: 1413 µS/cm, 12.88 mS/cm, 111.8 mS/cm (at 25°C)
- **Stability algorithm with intuitive indicator**
- **Easy to use**
- **Ideal for schools and small laboratories**
- **Portable**
- **Accuracy at a budget**



The C5000 series are basic, yet complete and accurate portable meters. It can measure all common electrochemical parameters such as pH, ORP, Conductivity and Dissolved Oxygen. C5020 adds a larger conductivity range, Salinity, TDS and measurement storage capability.

With an optional car adaptor you can recharge batteries in the car.

Specifications depending on model

pH/MV Channels	1
EC/TDS/SAL/DO Channels	1
Temperature Channels	1
pH	0.00...14.00 pH
mV	±1000 mV
Conductivity	0...100 mS/cm 0...1000 mS/cm
Salinity	0.0...70.0
TDS	0...100 g/l
Dissolved oxygen	0.00...20.00 mg 0...200%
Temperature	0.0...+100.0°C
Warranty	36 months
Made in Belgium	



Code	Description
C5010	mV/pH/EC/DO meter
C5020	mV/pH/EC/SAL/TDS/DO meter

Code	Description	Content
C50xxP	pH meter kit, epoxy electrode	meter + pH electrode SP10T + 2x50ml pH buffers + 50ml electrolyte + carrying case
C50xxK	EC meter kit, epoxy electrode	meter + EC electrode SK10T + 50ml EC standard + carrying case
C50xxPK	pH/EC meter kit, epoxy electrodes	meter + pH electrode SP10T + EC electrode SK10T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard + carrying case
C50xxZ	Oxygen meter kit	meter + DO electrode SZ10T + carrying case
C50xxT	Complete meter kit, epoxy electrode	meter + pH electrode SP10T + EC electrode SK10T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard + DO electrode SZ10T + carrying case
C10xxX	Meter kit without electrodes	meter + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard + carrying case
ADAPT-CAR	Car adaptor, 12 V	

Kits are available for each meter. Replace xx with correct meter number. F.i. C5010P, C5020T, etc...

pH/MV Channels	1
EC/TDS/SAL/DO Channels	1
Temperature Channels	1
pH	0.00...14.00 pH
mV	±1000 mV
Conductivity	0...100 mS/cm (C5010) 0...1000 mS/cm (C5020)
Salinity (C5020 only)	0.0...70.0
TDS (C5020 only)	0...100 g/l
Dissolved oxygen	0.00...20.00 mg 0...200%
Temperature	0.0...+100.0°C
Warranty	36 months
Made in Belgium	



Description

C5010 is the most basic, yet complete and accurate portable meter in our portfolio. It can measure all common electrochemical parameters such as pH, ORP, Conductivity and Dissolved Oxygen. This makes the C5010 an all-round instrument. C5020 adds a larger conductivity range, Salinity, TDS and measurement storing capabilities.

The large numbers on the graphical display makes it easy to read the measurement. The instrument has a stability indicator and stability algorithm for steady accurate readings.

Specifications

pH	Range	0.00...14.00 pH
	Resolution	0.01 pH
	Accuracy	0.2% ± 1 digit
	Calibration	1...3 points
	Buffers	11 pre-programmed
	Temperature compensation	0...100°C
	ISO-pH	6...8 pH
Slope		80...120%
mV	Range	±1000 mV
	Resolution	1 mV
	Accuracy	0.2% ± 1 digit
	Calibration	1 point
CONDUCTIVITY	Range (cc dependent)	0...100 mS/cm (C5010) 0...1000 mS/cm (C5020)
	Resolution (cc dependent)	0.1 µS/cm (C5010) 0.01 µS/cm (C5020)
	Accuracy	1% f.s. of range
	Calibration	1 point
	Standards	3 pre-programmed
	Cell constant (cc)	1 cm ⁻¹ ±30% (C5010) 0.1/1/10 cm ⁻¹ ±30% (C5020)
	Temperature compensation	0...100°C
	Reference temperature	20° or 25°C
	Temperature coefficient	natural waters (EN27888)
SALINITY (C5020 only)	Range	0...70
	Reference temperature	15°C
TDS (C5020 only)	Range	0...100.0 g/l
	Resolution	0.1 mg/l

DISSOLVED OXYGEN	Range	0.00...20.00 mg/l (0...200%)
	Resolution	0.01 mg/l (0.1%)
	Accuracy	1% ± 1 digit
	Calibration	1 point
	Temperature compensation	0...50°C
	Salinity compensation	0...40
	Air pressure compensation	800...1200 hPa
TEMPERATURE	Range	0...100°C
	Resolution	0.1°C
	Accuracy	0.5°C
	Calibration	1 point
INPUTS	pH/mV	BNC, 10 ¹² Ω
	Conductivity/Dissolved oxygen	BNC
	Temperature	2 banana, for Pt1000
STORAGE MEMORY (C5020 only)	Data sets	300
CALIBRATION	GLP	✓
DISPLAY	LCD	122x32 pixels
	White back-light	✓
AMBIENT CONDITIONS	Temperature	0...40°C
	Humidity	0...95%, non condensing
POWER SUPPLY	Mains	100...240 VAC, 50/60 Hz
	Low voltage	9...15 VDC
	Batteries (included)	4x1.2 V, NiMH
DIMENSIONS	WxDxH	13x18x10 cm
WEIGHT	Meter	600 gr

Ordering codes

Code	Description
C5010	pH/conductivity/DO meter
C5020	pH/conductivity/DO meter
C50xxP	PH meter kit: C50xx + pH/ATC electrode SP10T + 2x50 ml buffers (pH 4 and 7) + 50 ml electrolyte (3M KCl) + carrying case
C50xxK	EC meter kit: C50xx + conductivity/ATC electrode SK10T + 50 ml conductivity standard (0.01 M KCl) + carrying case
C50xxPK	PH/EC meter kit: C50xx + pH/ATC electrode SP10T + conductivity/ATC electrode SK10T + 2x50 ml buffers (pH 4 and 7) + 50 ml electrolyte (3M KCl) + 50 ml conductivity standard (0.01 M KCl) + carrying case
C50xxPCH	pH meter kit, spear type: C50xx + pH/ATC spear electrode SP24T + 2x50 ml buffers (pH 4 and 7) + 50 ml electrolyte (3M KCl) + carrying case
C50xxZ	DO meter kit: C50xx + dissolved oxygen electrode SZ10T + carrying case
C50xxT	pH/EC/DO meter kit: C50xx + pH/ATC electrode SP10T + conductivity/ATC electrode SK10T + dissolved oxygen electrode SZ10T + 2x50 ml buffers (pH 4 and 7) + 50 ml electrolyte (3M KCl) + 50 ml conductivity standard (0.01 M KCl) + carrying case
C50xxX	Meter kit without electrodes: meter + 2x50 ml buffers (pH 4 and 7) + 50 ml electrolyte + 50 ml conductivity standard (0.01 M KCl) + carrying case
ADAPT-CAR	Car adaptor, 12 V (optional)

→ Supplied with a mains adaptor (100...240 VAC, EU/US). Add -UK for UK plug versions, -CH for Swiss plug versions