

Measurement 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 µg/l
Dissolved oxygen	0.00...20.00 mg/l 0...200%
Temperature	0.0...+100.0°C
Warranty	36 months



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
mV	Slope	80...120%
	Range	±1000 mV
	Resolution	1 mV
	Accuracy	0.2% ± 1 digit
CONDUCTIVITY	Calibration	1 point
	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

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
	WxDxH	13x18x10 cm
DIMENSIONS		
WEIGHT	Meter	350 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)
C50xxK	EC meter kit: C50xx + conductivity/ATC electrode SK10T + 50 ml conductivity standard (0.01 M KCl)
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)
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
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)
C50xxX	Meter kit without electrodes: meter + 2x50 ml buffers (pH 4 and 7) + 50 ml electrolyte (3M KCl) + 50 ml conductivity standard (0.01 M KCl)
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	