

C5030

 rH_2 - pH - mV - Temperature

One pH/mV channel
One mV- H_2 /mV channel
One temperature channel

- **rH_2**
Bio-electronic multimeter for the study of the biological water quality according to Vincent's method.
- **pH**
Multi-point (1...3) calibration with up to three buffers out of eleven pre-programmed pH buffers.
Reads pH with 0.01 pH resolution.
- **mV**
Features mV calibration for accurate ORP measurements.
Reads potentials with 1 mV resolution.
- **mV- H_2**
Features mV calibration for accurate ORP measurements.
Reads potentials referred to the standard hydrogen electrode with 1 mV resolution.
Connect a special pH/ORP combination electrode to the meter and reads rH_2 directly on the screen.
- **Temperature**
Reads temperatures with 0.1 °C resolution.
Manual or automatic temperature compensation.
Calibrates temperature probe for quality measurements.
- **Inputs**
One common input for pH or mV.
One common input for mV- H_2 or mV.
One input for a Pt1000 automatic temperature probe.
Low voltage DC input for a mains adaptor.
- **Display**
Bright LCD screen for better readability.
A white backlight automatically illuminates when operated on the mains.
Stability indicator prompts the user when readings should be taken.
The interactive LCD screen provides step by step instructions in the language of your choice (English, Dutch, French, German).
Shows a GLP report on the LCD screen.
- **Cabinet**
Robust dust and splash-proof cabinet.
- **Special features**
Three year warranty.
Mains and rechargeable battery operation with programmable automatic switch-off.
Optional 12 V car adaptor.
- **Pre-programmed standards**
pH buffers: 1.68, 2.00, 4.00, 4.01, 6.87, 7.00, 9.18, 9.21, 10.01, 12.00, 12.45 (at 25 °C).

 **rH_2**

The rH_2 is a measurement for the level of electronic exchanges between water and dissolved ions. It enables to study incomplete, indeterminate and very diluted aqueous redox solutions.

Specifications		C5030
pH	Range	0...14 pH
	Resolution	0.01 pH
	Accuracy	0.2% ± 1 digit
	Calibration	1...3 points
	Buffers	11 pre-programmed
	Temperature comp.	0...100 °C
	ISO-pH	6...8 pH
mV	Slope	80...120%
	Range	±1000 mV
	Resolution	1 mV
	Accuracy	0.2% ± 1 digit
rH_2	Calibration	1 point
	Range	0...42 rH_2
	Resolution	0.1 rH_2
TEMPERATURE	Range	0...100 °C
	Resolution	0.1 °C
	Accuracy	0.5 °C
	Calibration	1 point
INPUTS	pH/mV	BNC, 10 ¹² Ω
	Temperature	2 banana, for Pt1000
STORAGE MEMORY	Data sets	300
DISPLAY	LCD	122x32 pixels
	White backlight	✓
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	4x1.2 V, NiMH
DIMENSIONS	WxDxH	10x20x4 cm
WEIGHT	Meter	350 g

CODE	DESCRIPTION
C5030	Bio-electronic meter + 4 NiMH batteries + mains adaptor
C5030T	Meter kit complete: C5030 + pH/°C electrode SP10T + ORP electrode SP50X + cable SC01B + 2x50 ml buffers (pH 4 and 7) + 50 ml ORP standard (358 mV) + 50 ml electrolyte (3M KCl) + carrying case
C5030L	Meter kit complete: C5030 + rH_2 glass combination electrode SP35B + temperature probe ST10N + 2x50 ml buffers (pH 4 and 7) + 50 ml ORP standard (358 mV) + 50 ml electrolyte (3M KCl) + carrying case
C5030X	Meter kit without electrodes: C5030 + 2x50 ml buffers (pH 4 and 7) + 50 ml ORP standard (358 mV) + 50 ml electrolyte (3M KCl) + carrying case
A4049	Car adaptor, 12 V (optional)
→ Add a \$-sign for US plug versions, e.g.: C5030\$	
→ Add a U-sign for UK plug versions, e.g.: C5030U	

You will find ordering codes and descriptions of accessories, electrodes, calibration solutions... on pages xx