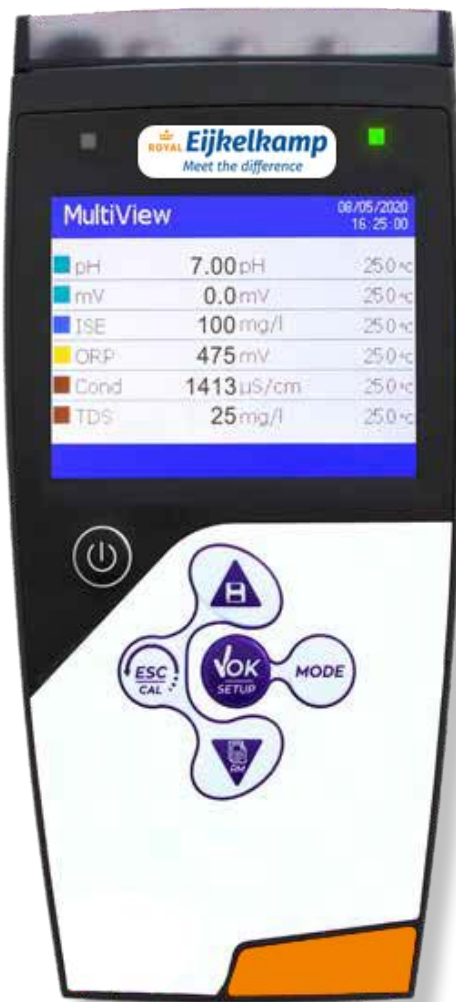


pH/EC/oxygen meter set

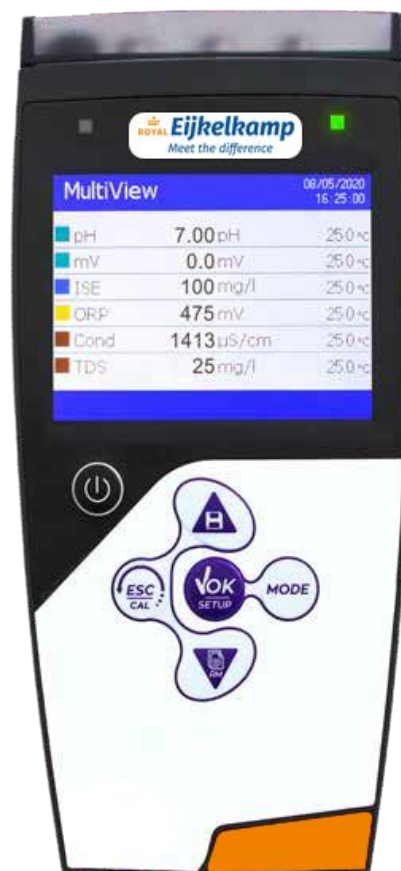
Professional multiparameter



1889 pH/EC/oxygen meter incl. pH, EC and polarographic oxygen electrode with built-in temperature sensor and 3 m cable and accessories in IP67 case. Measuring range pH: -2.00...20.00 (resolution pH 0.001) mV: ± 2000 mV, EC: 0.01 µS/cm...1000 mS (resolution EC 0.01), dissolved oxygen 0.00...50.00 mg/l (resolution 0.1 / 1.5 % f.s.).

Features

- 3,5" colour graphic display
- Multiview screen up to 6 parameters
- GLP with password and calibration due
- Internal memory up to 10.000 GLP data
- Alarm thresholds for pH
- Titration mode
- Ultra-pure water compensation
- Hold function
- Auto-off
- Full screen mode
- Connectors BNC - RCA
- Free software DataLink+
- Micro USBz
- 3-meter cable sensors
- Selectable cell constant (0.1 - 1 - 10)
- Automatic temperature compensation
- Automatic barometric pressure and salinity (DO) compensation



Sensors

The meter is equipped with 3 pairs of BNC - RCA (temperature) inputs. This makes it suitable with most sensors on the market. Using our sensor electrodes, maximum accuracy and reliability are achieved.

The meter is standard supplied with: electrodes with integrated temperature sensor and 3-meter cable:

- Digital pH electrode
- Conductivity cell (C = 1)
- Polarographic oxygen sensor



Measuring range

	Range	Resolution
pH	-2.000 ... 20.000 pH	0.001 ph
ORP	-2000 ... +2000 mV	0.1 mV
ISE	0.001 ... 19999 ppm	
EC	0.0 µS ... 1000 mS	0.1 µS - automatic
Resistivity	1.00 Ω ... 20.00 MΩ	
Salinity	0.1 ppm ... 100.0 ppt	
TDS	0.1 mg/l ... 500.0 g/l	
DO	0.00 ... 50.00 mg/l	0.01 / 0.1 mg/l
Oxygen saturation	0.0 ... 400.0 %	0.1 / 1%
Barometric pressure	0.0 ... 1100.0 mbar	1 mbar
Temperature	-30 ... 130.0 °C	0.1 °C



Brightness sensor

The brightness sensor manages the display backlight in order to have the best visibility in any condition.

Easy-to-use and multilanguage

Fast, practical, and intuitive user experience thanks to the menu in 7 different languages, guided calibrations and illustrated functions. All necessary informations are displayed by icons during the measurement. Thanks to the full screen mode, reading the measurement will be even easier.

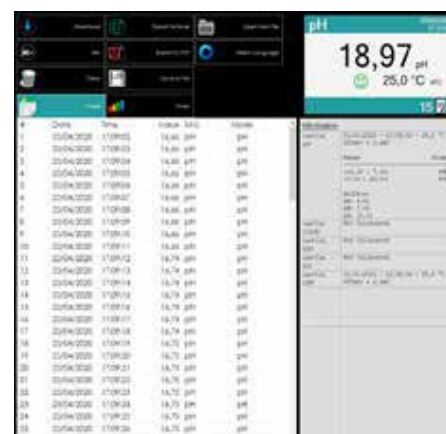


LED

The LED constantly indicates the status of the measurement, calibrations, and data saving. Together with the self-diagnosis messages, it allows the user to constantly monitor the measurement status.

Multiview

It is possible to select up to 6 parameters to be displayed simultaneously, or to use the pages dedicated to the single parameter.



Smart calibration

Guided automatic calibration with recognition of standards, or on values chosen by the user. At the end of each calibration, the graph (pH) and the calibration data are displayed. The calibrated points are always shown on the display.

GLP - Good Laboratory Practice

Work safely and according to GLP standards by setting the calibration expiry date and the 4-digit password, which protects calibrations, settings, and sensitive data. Using the digital sensors, the serial number and model of the electrode can also be traced.

Data recording

10,000 data internal memory, or direct recording on PC. The free DataLink + software allows the download of the saved data, the export In Excel and PDF format, as well as the practical graphic and table display. Micro USB connection port.

In the field

The IP67 carrying case, impact resistant and with pressure adapter, turns into a real mobile laboratory, complete with all accessories needed for measurement.



Technical data

pH	Resolution / Accuracy	0.1 - 0.01 - 0.001 / ± 0.002
	Automatic calibration points / custom	1 ... 5 / 5
	Recognized buffers	USA - NIST - DIN
	Indication of calibration points	Yes, with values
	DHS enabled	Yes
	Indication of electrode status	Yes
	Slope and Offset indication	Yes, date and time of last calibration
	Stability criteria of measurement	3 levels (Med - High - Tit)
	Acoustic/visual alarms	Yes LED/sound
ORP	Resolution	0.1 - 1 mV
	Calibration	1 point (475 mV)
ISE	Resolution	0.001 - 0.1 (automatic scale)
	Accuracy	0.5% f.s. (monovalent) / 1% f.s. (bivalent)
	Unit	mg/l - g/l - mol/l
	Automatic calibration	2 ... 5 points
Conductivity	Resolution / Accuracy	0.01 - 0.1 - 1 (automatic scale) / ± 1 % f.s.
	Automatic calibration points / custom	1 ... 4 / 1
	Recognized standards	84, 147, 1413 μ S / 12.88, 111.8 mS
	Indication of calibration points	Yes, with values
	Cell constant	0.1 - 1 - 10
	Indication of cell constant	Yes
	Temperature coefficient	0.00 ... 10.00% / $^{\circ}$ C - ultrapure water
	Reference temperature	15.0 ... 30.0 $^{\circ}$ C
TDS	TDS factor / Relative accuracy	0.40 ... 1.00 / ± 1 % f.s.
Salinity	Accuracy	± 1 % f.s.
Resistivity	Accuracy	± 1 % f.s.
DO	Resolution / Accuracy	0.1 / 1.5 % f.s.
	DO range / Resolution / Accuracy	0.0 ... 400.0% / 0.1% / 10%
	Auto barometric pressure compensation	Yes
	Auto salinity compensation	Yes, with conductivity cell connected
Temperature	Resolution / Accuracy	0.1 / $\pm 0.2^{\circ}$ C
	Temperature calibration	Yes
	Automatic compensation	pH - Cond - DO (0 ... 100 $^{\circ}$ C / auto or manual)
System	GLP	Yes
	Calibration due	Yes, with lock of measurement
	Memory	10,000 data
	Multiview mode	Yes, up to 6 parameters
	Automatic	Yes
	Multilanguage setup	ENG - IT - FR - DE - ESP - POR - CH
	Input	3 couples of connectors BNC - RCA and banana 4 mm
	Output	Micro USB
	Power	4 batteries AA 1.5 V - AC/DC USB adapter