

LAQUA twin ORP-11

ORP / Redox / Eh pocket meter

Oxidation-reduction potential (ORP) is an indicator of the oxidizing or reducing ability of a solution and is measured by methods similar to those for measuring pH.

ORP's are measured by using a meter with a millivoltmeter function in combination with a noble metal electrode (platinum or gold) and a reference electrode. ORP's are affected by temperature and must be measured at a constant temperature (for example, at 25°C).

Features:

- Onsite, simple, easy, and fast ORP measurement.
- Measurement range of -1.000 to +1000mV.
- Small, 0.3ml, sample volume required.
- Measurement results within seconds.
- Simple 1-point calibration.
- Replaceable sensor.
- IP67 – waterproof.
- Backlit display.



Functions:

- Eh value conversion function.
ORP values can be displayed relative to standard electrode potential
- Changeable calibration points
Select any calibration standard with 10 decades between.
- Auto Stable / Auto Hold
Measurement will freeze once stable (Auto Stable) or freeze and hold
- Auto power off (30 minutes)
Save your energy and save the planet. The instrument switches off after 30 minutes.
- Low battery indicator
Indicator will light up when it is time to switch to new batteries.
- Multiplying compensation
Input your standard deviation to automatically compensate for this.
- Stability indicator
Smiley ☺ appears when the measurement or calibration is stable.



Calibration

The instrument is supplied with one 255 mV ORP / Redox standard solution.



User Replaceable Sensor

The replacement of the LAQUAtwin sensor is easily done. No tools needed.



Protective cover

The sensor cover provides protection against impact, reduces external interferences and acts as a light shield, improving the accuracy.



Applications:

- Swimming pool
- Environmental testing
- Food and beverage
- Agriculture
- Aquaculture
- Industry
- Many more

Slide open

Opening the cover enables scooping up samples from difficult to reach places. The sample will be kept in the sensor.



Flip open

Fully opening the cover provides easy access for cleaning, calibration and placement of the sample.



Order Information

Part number	Model	Description
3200965260	LAQUAtwin ORP-11	LAQUAtwin ORP-11, ORP / Redox pocket meter
3200997083	S080-ORP	Replacement ORP / Redox sensor for ORP-11
3200997084	514-ORP-225	ORP Standard solution 255 mV, 6 x 14 ml

Specifications

Model	LAQUAtwin-ORP-11
Part Number	3200965260
Measurement principle	ORP by Platinum electrode
Minimum sample volume	Minimum 0.3 mL
Measurement range(F -)	-1000 to +1000 mV
Resolution	1 mV
Calibration	1 point (Default setting: 255 mV)
Standard solution	ORP 255 mV
Accuracy	±2 mV repeatability
Waterproof	IP67 Waterproof
ATC	
Temperature display	Yes
Temperature display range	0-50 °C
Temperature resolution	0.1 °C
Temperature accuracy	±2 °C
Temperature Calibration	Yes, offset of ±2 °C
Operating temperature/humidity	5 °C to 40 °C, 85% relative humidity max. (no condensation)
Display	Custom (monochrome) digital LCD with backlight
Power	CR2032 batteries (x2)
Battery life	Approx. 400 hours continuous operation (no backlight)
Material	ABS epoxy (main material)
Dimensions meter	164 mm x 29 mm x 20 mm (excluding projections)
Dimensions boxed	182 mm x 143 mm x 34 mm
Weight	Approx. 55gr

Flat sensor technology

HORIBA's unique flat sensor technology allows easy cleaning of the sensor and makes it possible to measure samples down to 0.3 ml.

Packing

The instruments is supplied with all parts needed to start immediate measurement. The small plastic case keeps everything together and safe.



Other LAQUAtwin Instruments



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