

CHECK TESTER

pH / Temperature / Redox



DESCRIPTION:

CHECK TESTER is a practical digital portable instrument capable of measuring the **pH** value, **Redox Potential** and **Temperature**, which is constantly displayed on the display.

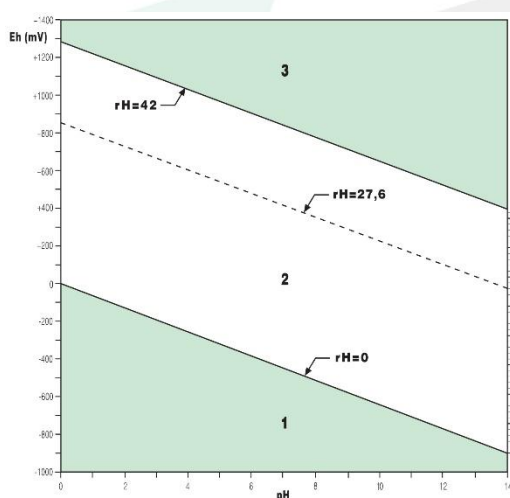
The display, with a wide-scale measures -2,00 to 16,00 pH or ± 1999 mV and at the same time the temperature from -5,0 to 105,0 °C or 23 to 221 °F.

CHECK TESTER has a stability indicator and hold function, which "freezes" the reading on the display for easy and accurate recording. The display has also graphic symbols to guide you in all operations. The calibration can be performed automatically in 2 or 2 points with standard or NIST buffers. The unique design allows you to easily replace the electrode and batteries.

Through the pair of **pH – Redox** is possible to obtain the value of rH that the oxidizing power of water, which is used to determine the thermal plants in the waters of corrosion protection and then the "state of health" of the systems.

INSTRUCTIONS FOR USE:

1. Calibrate the probe of the instrument with the appropriate solution provided.
2. Measure the pH and Redox Potential (mV)
3. Obtain from the De Lescouer Nomograph the value of rH on the central staircase, with a line joining the values of pH and Redox Potential (mV), see example with rH = 25. rH values included between 20 and 30 determine a field of water stability. Outside this range, the water is considered highly aggressive.



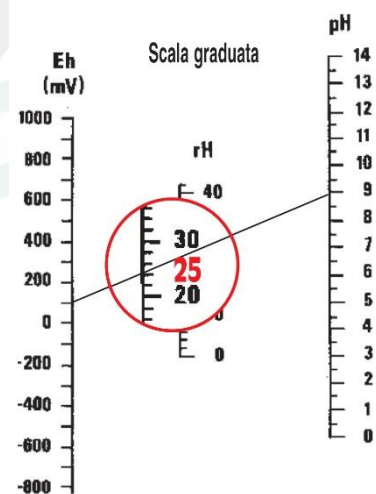
DE LESCOUER'S NOMOGRAPH

Legenda grafico

Zona 1: Si verifica la decomposizione spontanea dell'Ossigeno secondo la reazione
 $H_2O + e^- \rightarrow \frac{1}{2} H_2 + OH^-$

Zona 2: L'acqua risulta stabile (non ossidante)

Zona 3: Zona di acqua fortemente ossidante secondo la reazione
 $H_2O \rightarrow \frac{1}{2} O_2 + 2H^+ + 2e^-$



TECHNICAL DATA:

Tester pH / Redox / °C waterproof, 2 level display, resolution $\pm 0,01$ pH; Redox Potential resolution 1 mV; resolution temperature $\pm 0,1$ °C / $0,1$ °F, pH accuracy $\pm 0,05$; Redox Potential accuracy ± 2 mV; accuracy temperature $\pm 0,5$ °C / ± 1 °F; combined electrode replaceable Mi58P; give 200 x 38 mm, weight 100 g; auto-off after 8 minutes of inactivity.

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FACOT CHEMICALS Srl - Via Crema 44, 26010 Capralba CR, Italy - Tel. +39 0373450642 - info@facot.it - www.facotchemicals.com



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