Ref: PH METER + SPECIAL APPLICATIONS – PH METER SURFACES

Automatic calibration with 1, 2 or 3 buffers, which can be pH 2.00, 4.01, 7.00, 9.21 and 10.90, values at 25ºC.
Error messages for incorrect calibrations.

The instrument **automatically switches itself off if** no keys are pressed for 5 minutes. This function can be disabled by the user.

Uses very little electricity. With the instrument on, the batteries will last approximately 1000 hours.

IP 65 Protection. Dust- and water-proof.
Sensors connector (IP 67 protection) for connecting pH electrodes with or without an integrated temperature sensor. Any Pt 1000 temperature probe can also be connected to it.

"Long life" **membrane keypad**, guaranteed for up to 6 million strokes per key.

Optional **carry-case**, holds everything you need to work in comfort.

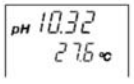
Advantages of the PH 25
- Very easy…
- Shock-resistant
- Ergonomic design
- Long-life batteries
- Industrial-use keypad
- Very competitively priced

Limitations
All portable instruments, even watertight ones, are at risk from condensation when exposed to low temperatures.
This limitation disappears when using lab or process pH-meters.

This instrument is light, functional and very robust.
It has been designed to work in harsh conditions, both in industry and in the field or lab.
Two instruments in one. Depending on the sensor connected, it can be a pH-meter or a thermometer.

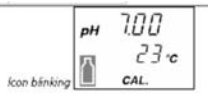
Display examples

Simultaneous measurement of pH and temperature.



mV measurement

Instrument in calibration mode with one, two or three buffers.



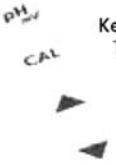
Icon blinking

Measuring as a thermometer

Low battery warning

Icon blinking

Keypad



The whole range of functions can be accessed using only 4 keys, both in pH-meter and thermometer modes.

Operation

The PH 25 software is similar to that of all other CRISON portables, and has been designed to make the use of this new range of instruments as easy as possible.

Technical specifications

Measuring ranges	pH-meter. thermometer,	-2.00...16.00 pH, ± 1500 mV and -20...150 °C. -200... 600 °C.
Resolution	pH-meter, thermometer,	0.01 pH, 1 mV, 0.1 °C. 0.1 °C, -99.9... 199.9 1°C, for the rest of the range.
Measuring error (± 1 digit)	pH-meter, thermometer,	≤ 0.01 pH, ≤ 1 mV, ≤ 0.2°C. ≤ 0.2°C, -99.9... 199.9 ≤ 1°C, for the rest of the range.
Reproducibility (± 1 digit)	pH-meter, thermometer,	± 0.01 pH, ± 1 mV, ± 0.1°C. ± 0.1°C, -99.9 ... 199.9 ± 1°C, for the rest of the range.
Input impedance		> 10^{12} Ohm (Ω) The change from high to low impedance is made int the electrode connector.
Autom. temperature compensation		By entering the temperature value using the keypad. Using a temperature sensor.
pH calibration		With 1, 2 or 3 buffers chosen from the following values: pH 2.00, 4.01, 7.00, 9.21 and 10.90 (at 25°C). Selection of theoretical calibration.
Display		Liquid crystal with pictograms.
Keypad		Membrane, 4 keys. Guaranteed for up to 6 million strokes per key. Material: PET with protective treatment
Sensors connector		MP-5, five-contact multipin. IP 67 protection.
Power supply		Two 1.5V, type AA batteries, autonomy of over 1000 h.
Electrical safety		EN 61010-1, EN 61010-1/A2.
EMC (Electromagnetic compatibility)		Meets EC, EN 61326, EN 61326/A1.
Degree of protection		IP 65.
Permitted ambient conditions		Operating temperature 0... 50°C. Storage and transport temperature -15... 65°C. < 80 % relative humidity, non condensing.

Key features

Double-LCD display screen, for simultaneous readings of pH, or mV and temperature. With icons indicating battery, calibration, unit, etc. status.

Two instruments in one: a pH-meter and a thermometer. As a pH-meter it measures pH and °C and, by replacing the pH electrode with a temperature probe with a Pt 1000 sensor, it turns into a precision thermometer for up to 600 °C.