



BASIC 20 has three main virtues: easy to use, high quality and very competitive price.

A simple model which fulfils all the requirements for routine measurements in industry and education.

Functional design with essential accessories for correct pH measurement.

The magnetic stirrer is the key to precise and repeatable measurements in accordance with GLP.

The calibration flasks, with the stirrer bar inside, warrant an important saving on buffers.

More than 10 calibrations with total reliability can be performed with only 40 ml of buffer. The buffer savings pay for the instrument!

Other advantages: calibration in 1, 2 or 3 points and mV calibration with redox standard.

Re-calibration warning for the user and two measuring modes: by stability or in continuous.

Authorised CRISON dealer:

Specifications

Measured parameters	pH	mV	°C
Range	-2...16	± 2000	-20...150
Resolution	0.01	1	0.1
Measuring error (± 1 digit)	≤ 0.01	≤ 1	≤ 0.2
Reproducibility (± 1 digit)	± 0.01	± 1	± 0.1

Automatic temperature compensation

Manual entrance or with Pt 1000 temperature probe (A.T.C.)

pH calibration

With 1, 2 or 3 buffers selectable inside the range.
Automatic recognition of technical buffers pH 2.00, 4.01, 7.00, 9.21, 10.90 (values at 25°C).
Programmable calibration validity between 0 h and 7 days.
Automatic recalibration warning
Automatic rejection of electrodes in poor conditions
Theoretical calibration.

pH calibration criteria

Asymmetry potential ± 58 mV.
Slope 41...62 mV/pH, at 25°C (sensitivity 70...105 %).

mV calibration

Automatic recognition of redox standard 220 mV at 25°C.

Measuring mode

By stability.
Continuous.

Languages

Spanish, Italian, French, English and Catalan.

Display

Graphic, backlit liquid crystal, 128x64 dots.

Inputs and outputs

Combined or indicator electrode, BNC connector (Imp. >10¹²Ω).
Reference electrode, banana connector.
A.T.C. type Pt 1000, banana or telephonic connector.
CRISON stirrer, RCA connector.

Directives low voltage and EMC

According to 2004/95/EC. According to 2004/108/EC.

Ambient conditions

Working temperature 5...40 °C.
Storage temperature -15...55 °C.
Relative humidity < 80% (not condensed).

Power supply

External plug-in power supply 220VCA/12 VDC, 3.3 W.

Materials

Enclosure, ABS and PC
Keypad, PET with protective treatment.

Physical parameters

Weight: 1100 g. Size: 350 x 200 x 110 mm.
Specifications subject to change without notice.



Recommended pH electrodes

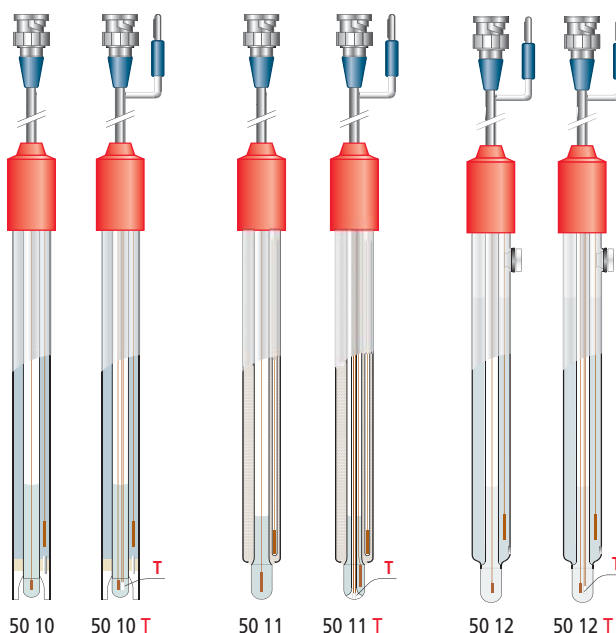
- With fixed cable and BNC connector
- Covering 90% of the applications.
- There is a version with built-in temperature sensor Pt 1000 for each electrode.

50 10 and 50 10 T, universal, plastic body.
Low maintenance, needs no electrolyte refilling.
pH 0 ... 14, Temp. 0 ... 80 °C, 1, ceramic diaphragm.

50 11 and 50 11 T, for foodstuffs and "difficult" media.
Polymer electrolyte, non-refillable: **maintenance-free**.
pH 2 ... 14, Temp. 0 ... 80 °C, open circular diaphragm.

50 12 and 50 12 T, universal, glass body.
Aqueous media in general.
pH 0 ... 12, Temp. 0 ... 80 °C, 1 ceramic diaphragm.

T= temperature sensor



How to order

Code	Description	Included accessories
20 00	pH-meter BASIC 20 with accessories, without electrode .	
20 10	Complete Kit: BASIC 20 pH meter, accessories and electrode 50 10 .	<ul style="list-style-type: none"> • Magnetic stirrer. • Sensor holder. • Solutions: pH 4, pH 7, pH 9 and KCl. • Calibration flasks with magnetic stirring bar. • User manual.
20 10 T	Complete Kit: BASIC 20 pH meter, accessories and electrode + temperature sensor 50 10 T .	
20 11	Complete Kit: BASIC 20+ pH meter, accessories and electrode 50 11 .	
20 11 T	Complete Kit: BASIC 20+ pH meter, accessories and electrode + temperature sensor 50 11 T .	
20 12	Complete Kit: BASIC 20+ pH meter, accessories and electrode 50 12 .	
20 12 T	Complete Kit: BASIC 20+ pH meter, accessories and electrode + temperature sensor 50 12 T .	