

The BASIC 30 + is a high performance conductivity meter at a reasonable price !!
It is supplied with magnetic stirrer, calibration flasks and conductivity standard solutions.

The incorporated electronics adapt to platinum and titanium cells.
Titanium cells are highly recommended for dirty and viscous samples.

Calibration with 1, 2 or 3 standards. View of the obtained cell constant.
Warning messages in calibration.

Other features: salinity measurement (NaCl), selectable reference temperature (RT).
Measurements by stability or in continuous. Programmable calibration validity.

Authorised CRISON dealer:

Specifications

Measuring ranges (resolution depending on scale)

Conductivity	0.01 μ S ... 500 mS/cm
Salinity	5.85 mg/l ... 311.1 g/l NaCl
Temperature	-20.0 ... 150.0

Measuring error Reproducibility

	(± 1 digit)	(± 1 digit)
Conductivity	$\leq 0.5\%$	$\pm 0.1\%$
Salinity	$\leq 0.5\%$	$\pm 0.1\%$
Temperature	≤ 0.2	$\pm 0.1\text{ }^\circ\text{C}$

Automatic temperature compensation

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

Temperature coefficient, TC

Lineal, TC = 0.00 ... 5.00 % / $^\circ\text{C}$.

Temperature reference, TRef

20 $^\circ\text{C}$ or 25 $^\circ\text{C}$.

Conductivity calibration (EC)

With 1, 2 or 3 standards selectable inside the range.
CRISON standards.

Manual introduction of cell constant.

Programmable calibration validity between 0 and 99 days.

Automatic recalibration warning

Accepted cell constants

With calibration: values between 0.05 ... 50 cm^{-1} .

Manual introduction: values between 0.05 ... 15 cm^{-1} .

Measuring mode

By stability or in Continuous.

Languages

Spanish, Italian, French, English and Catalan.

Display

Graphic, backlit liquid crystal, 128x64 dots.

Inputs and outputs

Cell with built-in A.T.C. type Pt 1000, 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 $^\circ\text{C}$.

Storage temperature -15...65 $^\circ\text{C}$.

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 cells

- With 8 contact telephone connector.
- All include temperature sensor Pt 1000.

50 70, universal.

C=1 cm^{-1} , platinum electrodes and plastic body.
0.2 $\mu\text{S}/\text{cm}$... 200 mS/cm, Temp. -30 ... 85 $^\circ\text{C}$.

50 71, for low conductivities.

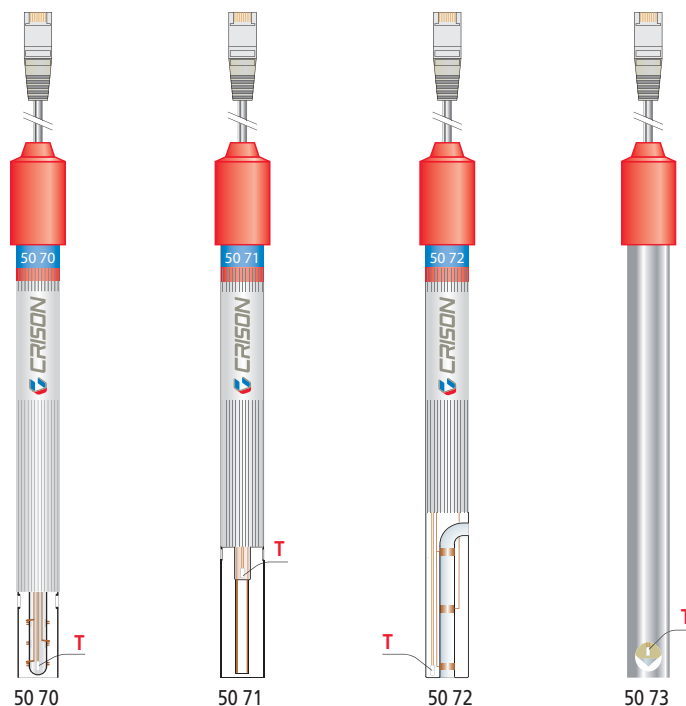
C=0.1 cm^{-1} , platinum electrodes and glass body.
0.05 $\mu\text{S}/\text{cm}$... 30 mS/cm, Temp. -30 ... 85 $^\circ\text{C}$.

50 72, for high conductivities.

C=10 cm^{-1} , platinum electrodes and glass body.
100 $\mu\text{S}/\text{cm}$... 500 mS/cm, Temp. -30 ... 85 $^\circ\text{C}$.

50 73, for dirty or viscous samples.

C=0.3 cm^{-1} , titanium electrodes and body.
5 $\mu\text{S}/\text{cm}$... 50 mS/cm, Temp. 0 ... 85 $^\circ\text{C}$.



T= temperature sensor

How to order

Code	Description	Included accessories
30 10	Conductivity meter BASIC 30 with accessories, without cell .	<ul style="list-style-type: none"> • Magnetic stirrer. • Sensor holder.
30 70	Complete Kit: BASIC 30 with accessories + Cell 50 70 (Universal).	<ul style="list-style-type: none"> • Solutions: 147 y 1413 $\mu\text{S}/\text{cm}$ and 12.88 mS/cm. • Calibration flasks with magnetic stirring bar. • User manual.