

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:

EC-Meter BASIC 30⁺. Specifications



Measured parameters (resolution depending on scale)

Conductivity	0.01 μ S ... 500* mS/cm (* only with C=10cm ³)
Salinity	5.85 mg/l ... 311.1 g/l NaCl
°C	-20.0 ... 150.0

	Meas. error (± 1 digit)	Reproducibility (± 1 digit)
Conductivity	$\leq 0.5\%$	$\pm 0.1\%$
Salinity	$\leq 0.5\%$	$\pm 0.1\%$
°C	≤ 0.2	$\pm 0.1\%$

Automatic temperature compensation

TC, (temperature coefficient): Linear 0.00 ... 5.00 % / °C.

TR (reference temperature): 20 °C or 25 °C.

EC Calibration (conductivity)

Standards: 147 μ S/cm, 1413 μ S/cm, 12.88 mS/cm and 111.8 mS/cm (values at 25 °C).

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

Manual introduction of cell constant.

Programmable calibration validity from 0 to 99 days.

Languages

Spanish, Italian, French, English and Polish.

Display

Graphic, backlit liquid crystal, 128x64 dots.

Connectable sensors

Conductivity cell with Pt 1000 probe, telephone connector.

Connectable peripherals

CRISON magnetic stirrer.

Directives low voltage and EMC

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

Power supply

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

Materials

Enclosure, ABS and PC. Keypad, PET.

Physical parameters

Weight: 800 g. Size: 325 x 155 x 98 mm.

Specifications subject to change without notice.



Cells

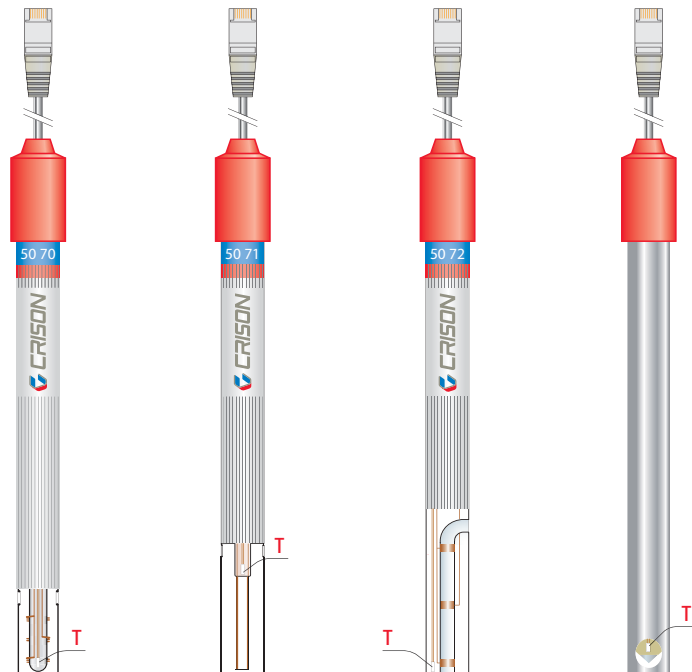
- With 8 contact telephone connector.
- All include temperature sensor Pt 1000.

50 70, universal.

50 71, for low conductivities.

50 72, for high conductivities.

50 73, for dirty or viscous samples.
Easy cleaning, very robust, unbreakable.



T= temperature sensor

Code	50 70	50 71	50 72	50 73
Measuring range (μ S/cm)	0.2 ... 200.000	0.05 ... 30.000	100 ... 500.000	100 ... 50.000
Temperature range (°C)	-30 ... 85	-30 ... 85	-30 ... 85	0 ... 85
Approximate constant (cm ³)	0.7	0.1	10	0.3
Materials	Glass / platinum	Glass / platinum	Glass / platinum	Titanium