



*Ergonomic and robust instrument, IP67 waterproof; resistant to harsh working conditions.*  
Conductivity, salinity or TDS and temperature measurement by stability or in continuous.

*Automatic calibration in 1, 2 or 3 points selected among the CRISON range of conductivity standards.*  
Besides Theoretical calibration and Manual calibration, calibration at one conductivity value within the cell range.

*KIT versions are available that include carrying case, accessories and sensor.*  
Wide range of high quality sensors that cover all types of applications, from low ionic strength to viscous, dirty samples.

*The carrying case includes all necessary accessories to ensure accurate measurement.* Instrument can be seated at an angle for convenient viewing of the display; sensor and the calibration flasks are held on upright position for easy calibration and measurement.

Authorised CRISON dealer:

## Specifications

<b>Measuring range</b> (resolution depending on scale)	Conductivity	0.01 $\mu\text{S}/\text{cm}$ ... 500 $\text{mS}/\text{cm}$
	Salinity	0.0 ... 1999 $\text{mg}/\text{l NaCl}$ 2.0 ... 50.0 $\text{g}/\text{l NaCl}$
	TDS	0 $\text{mg}/\text{l}$ ... 500 $\text{g}/\text{l}$
	Temperature	-20.0...150.0 $^{\circ}\text{C}$ (-4.0...302.0 $^{\circ}\text{F}$ )
<b>Measuring error</b> ( $\pm 1$ digit)	Conductivity	$\leq 0.5 \%$
	Salinity	$\leq 0.5 \%$
	TDS	$\leq 0.5 \%$
	Temperature	$\leq 0.2 \text{ }^{\circ}\text{C}$ (0.4 $^{\circ}\text{F}$ )
<b>Reproducibility</b> ( $\pm 1$ digit)	Conductivity	$\pm 0.1 \%$
	Salinity	$\pm 0.1 \%$
	TDS	$\pm 0.1 \%$
	Temperature	$\pm 0.1 \text{ }^{\circ}\text{C}$ (0.1 $^{\circ}\text{F}$ )

### Temperature compensation

With built-in Pt1000 temperature sensor.

### Reference temperature (RT)

20 or 25  $^{\circ}\text{C}$  (68 or 77  $^{\circ}\text{F}$ ). Factory setting: 25  $^{\circ}\text{C}$  (77  $^{\circ}\text{F}$ )

### Temperature coefficient (TC)

0.00 a 9.99%/ $^{\circ}\text{C}$ . (Factory setting: 2%/ $^{\circ}\text{C}$ .)

### TDS conversion factor

0.00 to 4.44 (Factory setting: 0.64)

### Accepted cell constant

Between 0.05 and 50  $\text{cm}^{-1}$  (Factory setting: 1.0  $\text{cm}^{-1}$ )

### Conductivity calibration (E.C.)

With 1, 2 or 3 standards selectable between: 147  $\mu\text{S}/\text{cm}$ , 1413  $\mu\text{S}/\text{cm}$ , 12.88  $\text{mS}/\text{cm}$  and 111.8  $\text{mS}/\text{cm}$  (at 25  $^{\circ}\text{C}$ ).

Manual calibration at any conductivity value within cell range.

Theoretical calibration (factory settings).

### Temperature readjustment

Correction of the temp. probe deviation (A.T.C.) at 25 $^{\circ}\text{C}$  and 85 $^{\circ}\text{C}$

### Measuring mode

By stability and in continuous.

### Connector

MP-5, 5 contacts multipin.

### Display

Liquid crystal, backlit, with pictograms.

### Keypad

Membrane, 6 keys

### Ambient conditions

Operating temperature: 0  $^{\circ}\text{C}$  to 50  $^{\circ}\text{C}$

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

80% relative humidity (non-condensing)

### Directives low voltage and EMC

According to CE, UNE-EN 61010-1 and UNE-EN 61326-1.

### Energy management

Automatic power off after 5 minutes of inactivity (this option can be disabled by the user).

### Power supply

3 x 1.5V, type AA batteries. Autonomy of over 400 hours

### Enclosure

Material ABS. Degree of protection IP 67.

### Physical parameters

Weight 300 g. Size 186 x 73 x 38 mm.

Specifications subject to change without notice.



## Recommended cells

- Fixed cable with ergonomic handle cells.
- With MP-5 connector (5 contacts).
- Suitable for most applications.
- With built-in temperature sensor.

### 50 60, Universal.

$C=1 \text{ cm}^{-1}$ , platinum electrodes and plastic body.

0.2  $\mu\text{S}/\text{cm}$ ... 200  $\text{mS}/\text{cm}$ , Temp. 0 ... 85  $^{\circ}\text{C}$ .

### 50 62, For difficult media.

$C=0.3 \text{ cm}^{-1}$ , titanium electrodes and body.

5  $\mu\text{S}/\text{cm}$ ... 50  $\text{mS}/\text{cm}$ , Temp. 0 ... 85  $^{\circ}\text{C}$ .

### 50 63, High conductivities.

$C=10 \text{ cm}^{-1}$ , platinum electrodes and glass body.

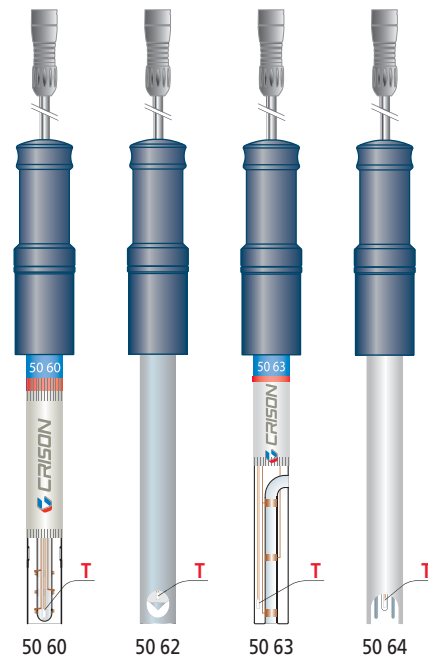
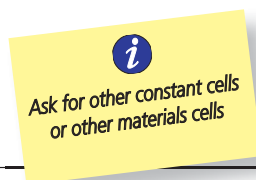
100  $\mu\text{S}/\text{cm}$ ... 500  $\text{mS}/\text{cm}$ , Temp. 0 ... 85  $^{\circ}\text{C}$ .

### 50 64, Low Cost.

$C=1 \text{ cm}^{-1}$ , titanium electrodes and plastic body.

5  $\mu\text{S}/\text{cm}$ ... 50  $\text{mS}/\text{cm}$ , Temp. 0 ... 85  $^{\circ}\text{C}$ .

T= temperature sensor



## How to order

Code	Description	Included accessories
35 02	CM 35+, with accessories, without cell.	
35 60	Complete kit: CM 35+, with accessories and cell 50 60 (Universal)	• Carrying case.
35 62	Complete kit: CM 35+, with accessories and cell 50 62 (Titanium)	• Standard solutions: 147 $\mu\text{S}/\text{cm}$ , 1413 $\mu\text{S}/\text{cm}$ , 12.88 $\text{mS}/\text{cm}$ .
35 63	Complete kit: CM 35+, with accessories and cell 50 63 (High conductivity)	• Calibration tubes.
35 64	Complete kit: CM 35+, with accessories and cell 50 64 (Low Cost)	• Flasks for sample and sensor cleaning.
		• User manual.