

EC, TDS and temperature handheld meter

Selectable conductivity scales: μS , mS
Selectable TDS scales: ppm, ppt
Manual and automatic calibration
 $^{\circ}\text{C}$ or $^{\circ}\text{F}$ temperature readout
Automatic/manual temperature compensation
Alphanumeric display
Logging up to 80 measures
High accuracy and reliability
Long battery life
Small dimensions

This new portable instrument synthesizes more than 35 years B&C Electronics experience in the electric conductivity measuring, now applied to the microprocessor and SMT technology that reduces the dimension of the instrument and makes easy the use.

The instrument takes the advantages of the B&C Electronics technology used in the latest industrial instruments, maintaining the accuracy, the reliability over a long period of time.

The big dimensions of the alphanumeric display assists the operator by sending running messages during the using.

The keys in the front panel feature a double function when pressed for few seconds.

The installed firmware provides:

- easy access to the main functions,
- operating parameters selection,
- memorization and visualization of the measures,
- automatic switch off with programmable timing.

Accessories and sensors



SZ 3252

Three black platinum band electrodes, $K=1 \text{ cm}^{-1}$, epoxy body, cable 1.5 m with BNC connector.

SP 51501 - SP 51511

Temperature probes

BC 922

Portable case for one controller, two sensors and one temperature probe.



Technical specifications

Sensor type: 2 electrodes cell (4 electrodes as option)

Zero: $\pm 10 \%$

Sensitivity: 60/160 %

Calibration: manual/automatic

EC scales: 20.00, 200.0, 2000 μS , 20.00, 200.0 mS

TDS scales: 10.00, 100.0, 1000 ppm, 10.00, 100.0 ppt

Temperature

Input: RTD Pt1000 three wires

Temperature unit: $^{\circ}\text{C}/^{\circ}\text{F}$

Temperature compensation: manual/auto with RTD

Temperature range: $-10.0/110.0 \text{ }^{\circ}\text{C}$ - $14.0/230.0 \text{ }^{\circ}\text{F}$

Resolution: $0.1 \text{ }^{\circ}\text{C}/^{\circ}\text{F}$

Zero: $\pm 2.0 \text{ }^{\circ}\text{C}$ - $\pm 3.6 \text{ }^{\circ}\text{F}$

Manual temperature: $0.0/100.0 \text{ }^{\circ}\text{C}$ - $32.0/212.0 \text{ }^{\circ}\text{F}$

Reference temperature: $20/25 \text{ }^{\circ}\text{C}$

Temperature coefficient: $0.00/3.50 \text{ }^{\circ}\text{C}$

Setup parameters

TDS: on/off

EC/TDS factor: 0.45/1.00

Response time 90%: 0/10 seconds

Temperature unit: $^{\circ}\text{C}/^{\circ}\text{F}$

Reference temperature: $20/25 \text{ }^{\circ}\text{C}$

Temperature coefficient: $0.00/3.50 \text{ }^{\circ}\text{C}$

Auto OFF time: 30/600 seconds

General specifications

Operating temperature: $0/60 \text{ }^{\circ}\text{C}$

Relative humidity: 20/95 % non condensing

Power supply: 9V battery (6LR61 680 mAh)

Battery life: 350 hours approx. (continuous operation)

Weight: 180 g approx. including battery

Dimensions: 125 x 75 x 25 mm

Display: LCD 8x1 characters 11.97 x 4.97 mm

Messages: running on display (title + variable)

Memory type: non volatile EEPROM (100k write)

Record numbers: 0 / 79

The technical specifications may be changed without notice