



Conductivity Meters

BSR Technologies Pvt. Ltd. Introduces new basic and advanced models of conductivity Meter - COOL EC 301 and COOL EC 302.

A liquid electrical conductivity meter measures the total ion concentration in the solution. These measurements are important for a range of applications in medicine, biology, chemistry, agriculture, food science, environmental science, oceanography, nutrition, water treatment and water purification and many other fields. Additionally, conductivity meters are commonly used in hydroponics, aquaculture and fresh water systems to monitor the amounts of nutrients, impurities or salts in the water. These meters are widely employed for quality control, and education institutions for training purposes.

Salient Features

- Quick Test Mode
- Precise results
- Ease of use
- Internal memory storage and external memory on USB device
- Compact size saves space in your lab
- Battery Backup up to 4 hours with low battery indication
- Auto power off after 10 minutes
- Print facility using USB storage device
- Stirrer interface to control RPM
- Simultaneous display of conductivity and temperature
- Built in TDS Measurement
- ATC temperature sensor
- 4-line LCD display
- In built 8.4 V CVCC adaptor cum charger which takes care of power fluctuations
- Built in time and date function



Technical Specifications

Model No	COOL EC 301	COOL EC 302
Conductivity Auto-Ranging with Resolution	<ul style="list-style-type: none"> • 0-200 μS/cm with Resolution of 0.1 μS • 0-2.0 mS/cm with Resolution of 0.001 mS • 0-20 mS/cm with Resolution of 0.01 mS • 0-200 mS/cm with Resolution of 0.1 mS 	<ul style="list-style-type: none"> • 0-200 μS/cm with Resolution of 0.1 μS • 0-2.0 mS/cm with Resolution of 0.001 mS • 0-20 mS/cm with Resolution of 0.01 mS • 0-200 mS/cm with Resolution of 0.1 mS
Conductivity Accuracy	$\pm 0.5\% \pm 2$ Digits	$\pm 0.5\% \pm 2$ Digits
Cell Constant	0.1/1/10	0.1/1/10
TDS Range	0 to 200 PPT in 4 ranges	0 to 200 PPT in 4 ranges
Range Selection	Automatic	Automatic
Resolution	0.1 PPM	0.1 PPM
TDS Factor (Adjustable)	0.1 to 0.998	0.1 to 0.998
Temperature Range	-20 to 120 °C	-20 to 120 °C
Temperature Compensation (Optional)	Auto -20 to 120 °C	Auto -20 to 120 °C
Temperature Resolution	0.1 °C	0.1 °C
Temperature Accuracy	$\pm 0.5^\circ\text{C}$	$\pm 0.5^\circ\text{C}$
Display	4-Line LCD	4-Line LCD
Keypad Tactile	6 Keys	6 Keys
Data Storage / Memory	Internal Memory storage up to 10 results	Internal Memory storage up to 10 results and external memory as USB device
Print Feature	Not Applicable	Using USB storage device
Power Supply	In built 8.4 V CVCC adaptor cum charger	In built 8.4 V CVCC adaptor cum charger
Battery Backup	Not Applicable	Up to 4 hours
Low Battery Indication	Not Applicable	Available
Auto Power Off	Not Applicable	After 10 minutes
PC Interface	USB Port (Factory use)	USB Port
Stirrer Interface (Optional)	Not Applicable	Adjustable RPM
Dimension	280 mm (W)X210 mm (D)X90 mm (H)	280 mm (W)X210 mm (D)X90 mm(H)
Weight	1 Kg	1 Kg

Ordering Information

Part Number	Description
250FPA0301	Conductivity Meter - COOL EC 301
250FPA0302	Conductivity Meter - COOL EC 302

Manufacturing facility:

* Product specifications are subject to change without notice.



BSR TECHNOLOGIES PVT. LTD.

ISO 9001: 2008 Certified Company

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