



## *COOL pH -Conductivity Meter Dual*

BSR Technologies Pvt. Ltd. introduces its new line of products for pH, conductivity, or combined pH-conductivity measurements. The pH - Conductivity Meter Dual comes to you as basic model 401 and advanced model 402

A pH Meter determines the hydrogen-ion (acidity or alkalinity) concentration in the solution. An electrical conductivity meter measures the total ion concentration of solutions. These measurements are important in medicine, biology, chemistry, agriculture, food science, environmental science, oceanography, nutrition, water treatment and water purification and many other applications. Thus, these meters are widely employed in large number of industries 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 as USB device
- Compact size saves space in your laboratory
- Automatic buffer calibration with buffer recognition
- 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 pH, millivolt, 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 pH –EC 401 Dual	COOL pH –EC 402 Dual
pH Range	-2 to 16 pH	-2 to 16 pH
pH Resolution	0.01 pH	0.01 pH
pH Accuracy	±0.02 pH @ 20°C	±0.02 pH @ 20°C
mV Range	±550 mV	±550 mV
mV Resolution	1 mV	1 mV
mV Accuracy	±1 mV	±1 mV
Conductivity Auto-Ranging with Resolution	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	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	±0.5% ±2 digits	±0.5% ±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	±0.5°C	±0.5°C
Display	4-Line LCD	4-Line LCD
Keypad Tactile	6 Keys	6 Keys
Calibration	Automatic 3 or 5 point buffer calibration	Automatic 3 or 5 point buffer calibration with buffer recognition and error Indication
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
Auto Power Off	Not Applicable	After 10 minutes
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

250FPA0401  
250FPA0402

#### Description

pH –Conductivity Meter Dual - COOL pH EC 401  
pH –Conductivity Meter Dual - COOL pH EC 402

\* Product specifications are subject to change without notice.

#### Manufacturing facility:



#### BSR TECHNOLOGIES PVT. LTD.

ISO 9001: 2008 Certified Company

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SCC/IN/QMS/2534

MKT/F/07/00