



As per ASTM 1202 - 05 including :

- Each RCPT cell will be made up of transparent acrylic material of 150 * 150mm* 50mm thick as per ASTM C 1202.
- It will hold the concrete specimen of 100mm diameter 50mm thick.
- It will be provided with rubber gasket and washers for achieving leak proof.
- Stainless steel bolts with washers and nuts will be provided to hold the specimen rigidly.
- The power supply will be applied to each cell through banana sockets and the current will be distributed through the brass mesh.
- Each cell will be provided with openings in top for pouring chemicals and the temperature sensors. The openings can be closed with lids.
- The volume of chemicals within the chamber shall be 250ml.
- No. Of cells : Four cells
- Power supply : 0-99.9 volt DC adjustable provide supply to Four cells
- Protections : fuse for each cell
- Indications : digital voltmeter three digit seven segment LED display
- Cells details : as per the specifications
- Dc supply can be varied from 0-99.9 volts continuously
- DC supply should be provided to all the four channels simultaneously and the current flow through each cell will be separately monitored.
- Flexible cables with the banana type pins will be provided for all the cells to establish the connection with the apparatus.
- Temperature of each cell also monitored and recorded.
- The observation screen is 7" coloured touch screen with advance data acquisition system.

Data acquisition Processing system and software:

- DC voltage in 0-99.9volt, current in 999.9 milliamp. and the temperature of chemical solutions in 99.9 deg Centigrade (maximum values)
- LCD displays indicate all the parameters continuously. All the data are transmitted to the computer simultaneously.
- Record Interval time set : 0-99hr, 0-99min and 0-99 Sec,
Total log time set : 0-99hr, 0-99min and 0-99 Sec.

Note: Specifications are subject to change.



- The set values are settable through key pad switches provided
- Totally eight parameters, four numbers of cell current and four numbers of temperature of the cell chemicals are displayed
- All the acquired data are transferred to the PC through RS232 output and through USB
- The monitor display the present current reading as well as the cumulative current reading.
- At the end of test, quartz buzzer is activated and the PC saves the readings in a separate file.
- For graphical display software is provided.

Supplied Complete with.....

- Plexiglass chambers with conductive brass mesh, terminals and Steel bolts - 4 pairs
- DC Constant voltage power supply (220 V) cum DAQ unit with 4 channels. - 1 No.
- 300 mm vacuum desiccators. - 1 No.
- Vacuum pump - 1 No.
- Moisture trap with vacuum gauge - 1 No.
- Elastomeric Rubber Moulds for cylindrical specimens - 4 No.
- Thermocouples - 4 No.
- Consumables - good for 1 doz. tests
- RTV sealant + gun - 1 No.
- Acrylic sealer, Brush - 1 each
- NaCl, NaOH - 1 each
- Mould Release - 1 No.

Overall Dimensions : 590 X 330 X 410(L X W X D) mm

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