



## LABORATORY CONDUCTIVITY METER

### DCM 900

#### Features

- High Stability Sine wave for low polarisation effects
- Low Cell Excitation for High Accuracy
- Wide range 0 to 200 mS in 5 steps

#### Specifications

|                          |  |
|--------------------------|--|
| Display                  | : 4 digit High Brightness LED  |
| Range                    | : 0 to 20 mS, 0 to 200 mS, 0 to 2 mS, 0 to 20 mS, 0 to 200 mS, switch selectable                         |
| Resolution               | : 0.01 mS on most sensitive range  |
| Accuracy                 | : 0.1% ± 1 digit   |
| Temperature Compensation | : 0 to 60 °C Manual  |
| Temperature Coefficient  | : 1.3 to 2.7% / °C, Factory set for 2%.  |
| Cell constant            | : 1.0 ±10% / 0.1 ±10% ( to be specified with order)  |
| Excitation               | : 120 Hz sine wave   |
| Enclosure                | : Powder Coated Steel with Stainless Steel tilt stand.   |
| Power                    | : 230V AC ± 15%, 50 Hz   |
| Dimensions               | : 245(W) x 60(H) x 190(D)  |
| Standard                 |  |
| Accessories              | : Electrode stand, Instrument Dust cover, Instruction manual, Test report, 1413 mS calibration solution. |
| Option                   | : Display in TDS units   |

#### Conductivity Cells

**CD06** : Glass Body, Platinised platinum electrodes, Cell Constant 1.0

**CD08** : Glass Body, Platinised platinum electrodes, Cell Constant 0.1

**TC10** : Teflon sleeved Glass Body, Platinised platinum electrodes, Cell Constant 1.0

**TC01** : Teflon sleeved Glass Body, Platinised platinum electrodes, Cell Constant 0.1



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## MICROPROCESSOR pH METER

### MODEL DPH 507

#### Features

- Microprocessor based design with 'Self Diagnostics Program' the system checking itself, the electrode and temperature sensor for faults.
- Truly versatile stand alone instrument
- Extremely user friendly keyboard and prompting display for easy operation
- Easy Calibration from the Keyboard
- Display of pH and Temperature with selectable mV display for ORP Operation.
- Auto / Manual Temperature Compensation with digitally selected temperature
- Poor Electrode condition warning
- Totally environment proof keyboard
- Data stored in NON VOLATILE memory. Totally unaffected by power interruptions.
- Automatic decimal adjustment on display depending upon the range.
- Powerful communication interface: RS232C (Optional)

#### Specifications

Display 7 Digit, High brightness 7 segment LED & 8 Annunciation LEDs  
 4 Digit for pH/mV, 3 Digit for Temp, All 7 for Messages  
 Annunciation: ATC, MTC, °C, RD pH, mV

|                          | pH  | mV                 | TEMP.                                    |
|--------------------------|---|--------------------|--|
| Measurement Range        | -2.00 to 16.00  | ± 1999             | -50°C to + 200°C                         |
| Resolution               | 0.01  | 1 (-1999 to +9999) | 0.1 -19.9 to 99.9<br>1°C <-19.9 & > 99.9 |
| Accuracy                 | 0.1% ± 1 digit  | 0.1% ± 1 digit     | 0.1% ± 1digit                            |
| Reproducibility          | 0.01  | 0.1 / 1            | 0.1 / 1                                  |
| Temperature compensation | Manual / Automatic -50 to +200°C  |                    |  |
| Input Impedance          | 10 <sup>13</sup> Ohms   |                    |  |
| Input bias current       | <1 pA @ 25°C  |                    |  |
| AP Range                 | ± 75 mV   |                    |  |
| Slope                    | 75% to 125%   |                    |  |
| Calibration              | <p><b>pH:</b> Single or Two point or 3 point calibration using any of USA: 4.01, 7.00 and 10.00 buffers or NIST: 4.01, 6.86 &amp; 9.18</p> <p><b>Temperature:</b> Single &amp; Two point at any temperature</p> |                    |  |
| Programming              | Direct Keyboard Entry: 5 keys   |                    |  |
| Data Entry               | Through user friendly keyboard and prompting display  |                    |  |
| Options                  | <ol style="list-style-type: none"> <li>1. RS232C Communication</li> <li>2. Universal Electrode stand</li> </ol>   |                    |  |
| Dimensions               | 190 x 130 x 60 (w x d x h)  |                    |  |
| Power                    | 230V ± 10% 50Hz 5 VA  |                    |  |



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## LABORATORY pH METER

### DPH 500

#### Features

- High Brightness LED Display
- Rugged Design for High Load laboratories
- High Input Impedance
- pH / Redox / mV measurements
- Protected Calibration knobs for Calibration integrity
- Stainless Steel Tilt stand
- Self Check to monitor Drift

#### Specifications

|                          |  |
|--------------------------|--|
| Display                  | : 4 digit High Brightness LED  |
| Measurement modes        | : pH / mV ( ORP)   |
| Range                    | : 0 to 14 pH / $\pm 1999$ mV   |
| Resolution               | : 0.01 pH / 1 mV /   |
| Accuracy                 | : 0.25% $\pm 1$ digit  |
| Temperature Compensation | : 0 to 100 ° C Manual  |
| Input Impedance          | : > 10 12 Ohms   |
| Input bias current       | : 1 pA @ 25 ° C  |
| Standardisation range    | : 120 mV / $\pm 2$ pH units  |
| Slope range              | : 80 to 105 % ( 47.3 to 62 mV/pH @ 25 ° C )  |
| Self Check               | : Internal Simulation of 4 pH equivalent   |
| Enclosure                | : Powder Coated Aluminium with Stainless Steel tilt stand.   |
| Power                    | : 230V AC $\pm 15\%$ , 50 Hz   |
| Dimensions               | : 165(W) x 60(H) x 165(D)  |
| Standard                 |  |
| Accessories              | : Electrode stand, Instrument Dust cover, Instruction manual, Test report, one set of colour coded pH buffer solutions 7.00,4.00 & 10.00 |

#### Ordering Information

Laboratory pH Meter      **Model DPH 500**

\* Order pH / ORP electrodes separately

A comprehensive range of pH electrodes for a variety of applications is available. These include High temperature electrode for samples upto 130 °C, sleeve junction electrodes for non aqueous samples, micro electrodes for measurement in very small sample volumes. These are complemented with a range of pH electrode calibration and maintenance solutions to get the best performance from your pH system. Refer catalog labels for details.



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