

Digital Conductivity Meter

DESCRIPTION:

The Digital Conductivity Meter is a reliable and accurate test instrument for measuring the Conductivity of aqueous solutions. They measure Conductivity and TDS in five ranges. The Resolution is **0.1 $\mu\text{S}/\text{cm}$** and **0.1 ppm** respectively, in the lowest range. The cell constant is flashed on a digital display & can be adjusted from the front panel.

FEATURES:

1. Microcontroller Based
2. Highly Stable & Accurate
3. Auto Ranging Facility
4. Cell Constant Measurement and Adjustment Facility
5. 3½ Digit Display
6. Automatic Temperature Compensation Facility



ADVANTAGES:

1. These instruments are ideal for monitoring salt contents in water and soluble salts in soils.
2. They are extremely useful instruments for agriculture and soil analysis labs, swimming pools, fertilizer plants, petroleum refineries, textile plants etc.



TECHNICAL SPECIFICATIONS:

| Model | RS 601 | RS 602 | RS 611 |
|--------------------------------|--|---|--|
| Display | 3½ Digit LED | | |
| Measurements | Conductivity & Temperature | Conductivity & Temperature | Conductivity |
| Ranges | Five Ranges 0-200 µs/cm 0-2 ms/cm 0-20 ms/cm 0-200 ms/cm 0-1000 ms/cm | Six Ranges 0-20 µs/cm 0-200 µs/cm 0-2 ms/cm 0-20 ms/cm 0-200 ms/cm 0-1000 ms/cm | Five Ranges 0-200 µs/cm 0-2 ms/cm 0-20 ms/cm 0-200 ms/cm 0-1000 ms/cm |
| Range Selection | Automation in 5 ranges | Automation in 6 ranges | Automation in 5 ranges |
| Temperature Range | 0 - 100 ° C | 0 - 100 ° C | 0 - 100 ° C |
| Accuracy Cond. Temp. | ±0.5% FS ±1 Digit Temp: ±0.1 ° C ±1 Digit | ±0.5% FS ±1 Digit ±0.1 ° C ±1 Digit | ±0.5% FS ±1 Digit |
| Temperature Compensation | Auto: 0 - 50 ° C Manual: 0 - 50 ° C | Auto: 0 - 50 ° C Manual: 0 - 50 ° C | Manual: 0 - 50 ° C |
| Cell Constant | Adjustable on Digital Display | | |
| Measuring Cell | Platinum DIP Type | | |
| Auto Cell Constant Measurement | Available | Available | Available |
| Resolution Cond. Temp. | 0.1 µs/cm 0.1 ° C | 0.1 µs/cm 0.1 ° C | 0.1 µs/cm |
| Power | 12V DC using 230V ±10% AC Adapter | | |
| Dimensions | 270X202X60 mm (IXbXh) | | |
| Weight | 0.8 Kg approx. | | |
| Accessories | Conductivity Cell, Operation Manual, Dust Cover, Cell Stand, Temperature Probe (with Models 602 and 601) | | |

Note: All Conductivity Meters are supplied with TDS cells having a cell constant of approximately 1.0 Specifications are subject to change without notice due to continuous developments.



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