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PORTABLE MICROPROCESSED CONDUCTIVOMETER

R-TEC-4P-MP

Complete equipment for exact measurements of conductivity in water (S/cm) STD Total Dissolved Solids with programmable factor and conductivity in alcohol (S/m).

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Technical Characteristics

R-TEC-4P-MP

- Reading: Conductivity in water (S/cm), alcohol (S/m) and STD - Total Dissolved Solids with programmable factor;
- Display: Alphanumeric provides messages that guide the user and prevent usage errors;
- Reading indicator: Stable, shows when the reading can be taken;
- Cell constant: K=0.1; K=1 or K=10;
- Calibration: Automatic;
- Temperature sensor: Individual in stainless steel, being able to use the equipment as thermometer;
- Temperature Compensation: Automatic or Manual;
- Support: Individual for cell and temperature senso;
- Simultaneously shows: Conductivity and solution temperature;
- Defect verification: Verifies defects in the cell, temperature sensor and calibration solutions, reporting in case of problems;
- Cabinet: In ABS, prevents corrosion;
- Dimensions: W=100 x D=37 x H=200 mm;
- Power: 9 VDC alkaline battery or 110/220 VAC power supply, using 9 VDC battery eliminator;
- Optional: RS 232C type computer output, measuring cell of conductivity in alcohol, calibration solutions: 500µS/m (5µS/cm), 14.69mS/m (146.9µS/cm). Certified solutions with traceability: upon request;
- Accompanies: - 01 glass cell with constant K=1 - 01 stainless steel temperature sensor - 01 standard calibration solution 146.9 µS/cm - 01 support for cell and temperature sensor - 01 power supply - 01 Battery 9 VDC - Instruction Manual with Warranty Term;
- CALES: Conductivity in water: Working Range: 0 to 20000 µS/cm with automatic selection Resolution: 0.01...(0 to 20 µS/cm / 0 to 10 ppm) 0.1...(0 to 200 µS/cm / 0 to 100 ppm) 1...(0 to 2000 µS/cm / 0 to 1000 ppm) 0.01...(0 to 20 mS/cm / 0 to 10000 ppm) Accuracy: 2% full scale. Uncertainty: ±1% Conductivity in alcohol: Working Range: 0 to 20000 µS/m with automatic selection Resolution: 0.01...(0 to 20 µS/m) 0.1...(0 to 200µS/m) 1...(0 to 2000 µS/m) 0.01...(0 to 20 mS/m) Accuracy: 2% full scale Uncertainty: ±1% Temperature: Working range: 0 to 100 °C Resolution: 0.1 °C Accuracy: ± 0.3 °C Uncertainty: ± 0.2 °C ;

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Benefits and Advantages

- Fully microprocessor accepts 3 types of cell constants K = 0.1
- K = 1 or K = 10
- It has an alphanumeric display providing messages that guide the user and prevent usage errors
- Individual temperature sensor made of stainless steel and the equipment can be used as a thermometer
- Automatic temperature compensation on all scales
- Checks for defects in the cell temperature sensor and calibration solutions reporting in case of problems
- Simultaneously shows the conductivity and temperature of the solution
- ABS cabinet prevents corrosion
- Side support in the equipment for cell and temperature sensor
- Automatic calibration
- Optional: RBC Traceable Certificate Request.