



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).

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 sensor;
- 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: $W=100 \times D=37 \times H=200$ 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: $500 \mu\text{S/m}$ ($5 \mu\text{S/cm}$), 14.69 mS/m ($146.9 \mu\text{S/cm}$). Certified solutions with traceability: upon request;
- Accompanies: - 01 glass cell with constant $K=1$ - 01 stainless steel temperature sensor - 01 standard calibration solution $146.9 \mu\text{S/cm}$ - 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 $20000 \mu\text{S/cm}$ with automatic selection Resolution: $0.01 \dots (0 \text{ to } 20 \mu\text{S/cm} / 0 \text{ to } 10 \text{ ppm})$ $0.1 \dots (0 \text{ to } 200 \mu\text{S/cm} / 0 \text{ to } 100 \text{ ppm})$ $1 \dots (0 \text{ to } 2000 \mu\text{S/cm} / 0 \text{ to } 1000 \text{ ppm})$ $0.01 \dots (0 \text{ to } 20 \text{ mS/cm} / 0 \text{ to } 10000 \text{ ppm})$ Accuracy: 2% full scale. Uncertainty: $\pm 1\%$
Conductivity in alcohol: Working Range: 0 to $20000 \mu\text{S/m}$ with automatic selection Resolution: $0.01 \dots (0 \text{ to } 20 \mu\text{S/m})$ $0.1 \dots (0 \text{ to } 200 \mu\text{S/m})$ $1 \dots (0 \text{ to } 2000 \mu\text{S/m})$ $0.01 \dots (0 \text{ to } 20 \text{ mS/m})$ Accuracy: 2% full scale Uncertainty: $\pm 1\%$ Temperature: Working range: 0 to 100°C Resolution: 0.1°C Accuracy: $\pm 0.3^\circ\text{C}$ Uncertainty: $\pm 0.2^\circ\text{C}$;

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.