



# **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 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: 500 $\mu$ S/m (5 $\mu$ S/cm), 14.69mS/m (146.9 $\mu$ 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  $\mu$ 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  $\mu$ S/cm with automatic selection Resolution: 0.01...(0 to 20  $\mu$ S/cm / 0 to 10 ppm) 0.1...(0 to 200  $\mu$ S/cm / 0 to 100 ppm) 1...(0 to 2000  $\mu$ S/cm / 0 to 1000 ppm) 0.01...(0 to 20 mS/cm / 0 to 10000 ppm) Accuracy: 2% full scale. Uncertainty:  $\pm$ 1% Conductivity in alcohol: Working Range: 0 to 20000  $\mu$ S/m with automatic selection Resolution: 0.01...(0 to 20  $\mu$ S/m) 0.1...(0 to 200 $\mu$ S/m) 1...(0 to 2000  $\mu$ S/m) 0.01...(0 to 20 mS/m) Accuracy: 2% full scale Uncertainty:  $\pm$ 1% Temperature: Working range: 0 to 100  $^{\circ}$ C Resolution: 0.1  $^{\circ}$ C Accuracy:  $\pm$  0.3  $^{\circ}$ C Uncertainty:  $\pm$  0.2  $^{\circ}$ 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.