



## ***DIGITAL CONDUCTIVOMETER TEC-4/1-MP***

Used for accurate conductivity measurements. Fully microprocessor-controlled measures conductivity in water (S/cm) alcohol (S/m) and STD (Total Dissolved Solids) with programmable factor.

## Technical Characteristics

### TEC-4/1-MP

- Reading: Conductivity in water (S/cm), alcohol (S/m), STD - Total Dissolved Solids with programmable factor and Percentage of Ash in Sugar;
- Display: Alphanumeric provides messages that guide the user and prevent usage errors;
- Indication: With microprocessor conductivity control, cell K=0.1; K=1 or K=10;
- Calibration: Automatic;
- Interface: For RS 232C type computer, informing the conductivity and temperature reading;
- Cabinet: In carbon steel with anti-corrosive treatment and electrostatic painting;
- Dimensions: W=120 x D=185 x H=70 mm;
- Weight: 1.5Kg;
- Voltage: 110/220 Volts (automatic);
- Includes: - 01 glass cell constant of K=1 - 01 stainless steel temperature sensor - 01 standard calibration solution 146.9  $\mu\text{S/cm}$  - 01 support for cell - 01 power supply - Warranty term;
- Optional: Cell for measuring Conductivity in Alcohol, Calibration Solutions: 500 $\mu\text{S/m}$  (5 $\mu\text{S/cm}$ ) or 14.69mS/m (146.9 $\mu\text{S/cm}$ );
- Additional Information: \*\*;
- Working Range: 0.001 to 1000  $\mu\text{S/cm}$  with automatic selection (With Constant K=0.1) 100 to 100,000  $\mu\text{S/cm}$  with automatic selection (With Constant K=1) 10,000 to 200,000  $\mu\text{S/cm}$  with automatic selection (With Constant K=10);
- Accuracy: 2% full scale;
- Uncertainty: Better than 1% full scale;
- Temperature: \*\*;
- Working range: -5 to 120 °C;
- Resolution: 0.1 °C;
- Accuracy:  $\pm 0.3$  °C;
- Uncertainty:  $\pm 0.2$  °C;

### Benefits and Advantages

- Accepts 3 types of cell constants K = 0.1
- K = 1 or K = 10
- Individual temperature sensor made of stainless steel the unit can be used as a thermometer
- Automatic temperature compensation in all scales
- The alphanumeric display provides messages that guide the user and prevent operating errors
- Checks defects in the cell temperature sensor and calibration solutions reporting in case of problems
- Simultaneous display of conductivity and solution temperature
- ABS enclosure prevents corrosion
- Individual holder for cell and temperature sensor