



## ***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:  $W=120 \times D=185 \times H=70$  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  $14.69 \text{mS/m}$  ( $146.9 \mu\text{S/cm}$ );
- 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  $120^\circ\text{C}$ ;
- Resolution:  $0.1^\circ\text{C}$ ;
- Accuracy:  $\pm 0.3^\circ\text{C}$ ;
- Uncertainty:  $\pm 0.2^\circ\text{C}$ ;

### 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