



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 14.69mS/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: $\pm 0.3^\circ\text{C}$;
- 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