WMEC1001 Industrial Conductivity Meter is our company's latest top-class instrument equipped with a microprocessor and complete English menu. It has display and menu operation pattern; it is characterized by its intelligent operation, multi-function and high measuring performance and its strong environmental adaptability.

Applications

Continuous monitoring of conductivity values in

- Thermal power plants
- Chemical fertilizer production
- Chemical Industry
- Metallurgy
- Environmental protection
- Pharmacy
- Biochemical engineering
- F&B and drinking water
- Running water etc.

Features

- It has a complete English display and friendly interface. Various parameters can be displayed at the same time: conductivity, output current, temperature, time and status.
- Bitmap type liquid crystal display module with high resolution is adopted.
- All the data, status and operation prompts are displayed in English.
- There is no symbol or code that is defined by the manufacturer.
- Can be used with electrodes of K= 0.01, 0.1, 1.0, 10.0 and 30.0

Technical Specification

Specification	
Conductivity measuring range	0.01~20µS/cm (Electrode: K=0.01) 0-20MΩ resistivity (Electrode: K=0.01) 0.1~200µS/cm (Electrode: K=0.1) 1.0~2000µS/cm (Electrode: K=1.0) 10~20000µS/cm (Electrode: K=10.0) 30~600.0mS/cm (Electrode: K=30.0)
Intrinsic error	Conductivity: ±0.5% FS Temperature: ±0.3°C
Intrinsic error of the meter & sensor	Conductivity: ±1.0% FS Temperature: ±0.5°C
Automatic temp. compensation	0~199.9 °C, 25°C ref.
Water sample tested	0~199.9℃, 0.6MPa
Auto temp. compensation error	±0.5% FS
Repeatability error	±0.2%FS±1 Unit
Stability	±0.2%FS±1 Unit/24h

Isolated current output	0~10mA (load<1.5kΩ); 4~20mA (load<750Ω) (double-current output option)
Error caused by ambient temperature	≤±0.5%FS
Error caused by the supply voltage	≤±0.3%FS
Alarm relay	AC 220V, 3A
Communication interface	RS485, 232(optional)
Power supply	AC 220V±22V, 50 Hz±1Hz, 24V DC (optional)
Protection grade	IP54, Aluminium shell for outdoor use
Clock Accuracy	±1 min/month
Data storage capacity	1 month (1point/5mins)
Memory during power cut (non-volatile memory)	10 years
Dimensions	Overall: 146 (l) x 146 (w) x 156 (d) mm Holes: 138 x 138 mm
Weight	1.5kg
Working conditions	Ambient temp: 0~60˚C Relative humidity: <85%

Note:

Standard single output signal 4~20mA: Measured conductivity value
Dual output signal 4~20mA: Measured temperature and conductivity values

(Please specify if dual output is needed)