



AE-CON9200/9300 Series

Online Electronic Conductivity Meter

Product Description

Features of Online Turbidity Meter:

- 1.Application : For monitoring of Industrial Process and Pure water conductivity/resistivity;
2. Panel or Wall mounts Enclosures, NEMA4X, IP65 waterproof, dust proof;
3. Provide precise measurement at industrial site or water treatment process;
4. Symmetric signal output interface , preventing electromagnetic interference;
5. Scaleable isolated output: 0/4~20mA;
6. Two level password protections prevent unauthorized tampering of setting;
7. Large LCD, with orange backlit;
8. Two separate mechanical relays for high and low (HH/HL/LL) set points or delay time;
9. Separately adjustable high and low set-point hysteresis (dead bands) prevent chattering of relays around the set point;
10. The third mechanical relays for electrode self-cleaning or alarm.



Online Electronic Conductivity Meter Technical Specifications:

Model	AE-CON9200	AE-CON9300
Conductivity Range	0.000~3.000 / 30.00 / 300.0uS/cm 0.000~3.000 / 30.00 / 300.0mS/cm	0.000~3.000 / 30.00 / 300.0uS/cm 0.000~3.000 / 30.00 / 300.0mS/cm
Resistivity Range	0.3~30.0MΩ*cm / 3~300.0MΩ*cm	0.3~30.0MΩ*cm / 3~300.0MΩ*cm
TDS Range	0.000~3.000 / 30.00 / 300.0ppm / 0.000~3.000 / 30.00 / 300.0ppt	0.000~3.000 / 30.00 / 300.0ppm / 0.000~3.000 / 30.00 / 300.0ppt
Resolution	0.001 / 0.01 / 0.1uS/cm,0.001 / 0.01 0.1mS/cm,0.1MΩ*cm	0.001 / 0.01 / 0.1uS/cm,0.001 / 0.01 0.1mS/cm,0.1MΩ*cm
Accuracy	±1%F.S.	±1%F.S.
Temperature Range	-5.0~130.0°C	-5.0~130.0°C
Resolution / Accuracy	0.1°C / ±0.5°C	0.1°C / ±0.5°C
Cell Constant	K=0.01 / 0.1 / 1 / 10 (With specified electrode)	K=0.01 / 0.1 / 1 / 10 (With specified electrode)
Temperature Sensor	PT1000	PT1000
Line Resistance Compensation	0.0~20.0Ω	0.0~20.0Ω
Signal Output / Load	0 / 4~20mA / 600Ω	0 / 4~20mA / 600Ω
Output Interface	RS-485	RS-485
Relay Specification	3 SPST / 250V 1A	3 SPST / 250V 1A
Frequency of Cleaning Time	1~999hours / 1~999sec	1~999hours / 1~999sec
Control hysteresis band	0.1~10%F.S.	0.1~10%F.S.
EMC Standard	EN 50081-1 / EN50082-1	EN 50081-1 / EN50082-1
Operation Temperature	-10~50°C (14~122°F)	-10~50°C (14~122°F)
Operation Humidity	10~95%	10~95%
Power Supply	220/110VAC	220/110VAC
Size / Weight	100x108x150mm/900g	190x160x133mm/1.5kg

Online Electronic Conductivity Meter:

Model	Type	Description	Model	Description
AE-CON9000	Embedded Type	3 relays,0/4 – 20mA Output	AE-CON9001	With AE-CON-10 electrode
AE-CON9100	Wall Mounted Type	3 relays,0/4 – 20mA Output	AE-CON9101	With AE-CON-10 electrode
AE-CON9200	Embedded Type	3 relays,0/4 – 20mA /RS485 Output	AE-CON9201	With AE-CON-10 electrode
AE-CON9300	Embedded Type	3 relays,0/4 – 20mA /RS485 Output	AE-CON9301	With AE-CON-10 electrode