

Water Measurement Controller

Conductivity / TDS / Salinity Controller

Feature

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

CON5000



CON5500



Specifications	CON5000	CON5500
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
Analog Output	0 / 4~20 mA	0 / 4~20 mA
Serial 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	EN50081-1 / EN50082-1	EN50081-1 / EN50082-1
Operation Temperature	-10.0~50.0°C (14.0~122.0°F)	-10.0~50.0°C (14.0~122.0°F)
Operation Humidity	10~95%	10~95%
Power Supply	220 / 110 VAC	220 / 110 VAC
Size / Weight	100x108x150mm / 900g	190x160x133mm / 1.5kg
Installation Size	93.5x93.5mm	—
Electrodes / Accessories	See P.36	