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CON5500 Conductivity / Resistivity / TDS Controller / Transmitter

With built-in pure water conductivity compensation curve, CON5500 is the real expert in low conductivity control field. It's your smart choice.

Features

- Designed for precision conductivity / Resistivity / TDS control at complex industrial sites or in harsh environment.
- NEMA4X, IP65 rated: waterproof and airproof. High protection against electromagnetic interference.
- Three level password protections prevent unauthorized tampering with settings.
- Large LCD, with high luminance LED orange backlight.
- Two control modes: on / off limited control (LIT), proportion pulse length control (PLC).
- Separately adjustable high and low set-point hysteresis (dead bands).
- Scaleable isolated 0/4 -20 mA Outputs.
- Washing / warning relay.
- RS-485 outputs.



→ Transmitters

- PH5000
- PH5500
- PH3000
- CON5000
- **CON5500**
- DO5000
- DO5200
- DO5500
- FCL5000
- FCL5500

Applications



Ultra pure water



Industrial process



Boiler water



Circulating water

Specifications

Conductivity Range	0.000 - 3.000, 30.00, 300.0 μ S/cm, 0.000 - 3.000, 30.00, 300.0 mS/cm
Resistivity Range	0.3 - 30.0 $M\Omega$ *cm, 3 - 300.0 $M\Omega$ *cm
TDS Range	0.000 - 3.000, 30.00, 300.0 ppm, 0.000 - 3.000, 30.00, 300.0 ppt
Resolution	0.001 μ S/cm, 0.1 $M\Omega$ *cm, 0.001 ppm
Accuracy	\pm 1% F.S.

Temperature Range	-5.0 ~ +130 °C
Temperature Compensation	Automatic (± 10 °C offset adjustment) / manual
Temperature Resolution	0.1 °C
Temperature Accuracy	± 0.5 °C
Calibration	1 point / Multi ranges
Electrode Constant	K=0.01,0.1,1,10 (Optional)
Temperature Electrode	Pt1000
Line Resistivity Compensation	0.0 - 20.0 Ω
Control Function	Limited point (On / Off)
Data Interface	RS-485
Signal Output / Load	0 / 4 - 20 mA isolated current output, can be set up freely
Signal Output Load	600 Ω
Relay Output	3 SPST relays, 250V / 1A (or 110V / 2A)
Control hysteresis band	0.1 - 10% full range
Cleaning Circle	From 1 to 999 hours
Cleaning Time	From 1 to 999 seconds
LCD	Big-size screen of crystal display, orange back light
Power	110V / 220V AC
EMC Specification	EN 50081-1 / EN 50082-1
Working temperature	- 10 to 50 °C (14 to 122 °F)
Humidity	10 to 95% (no frozen dew)
Protection grade	NEMA 4X, IP 65
Dimensions	190 * 160 * 133 mm
Installation	Wall Mounting
Weight	1.5 Kg

Certification

