

23. CCT-3300 Series Conductivity Online Controller



■ Application:

Widely used for chemical industry, pharmaceutical, food, beverage, industrial coating, municipal water, Environmental, etc. conductivity / resistivity online measuring and control. It is a small-scale, industry leading and High Cost-Effective conductivity/resistivity integration online controller.

■ Characteristics:

- ◆ Integrated of Conductivity/Resistivity parameter measurement, support cell constant 0.01cm^{-1} , 0.1cm^{-1} , 1.0cm^{-1} , 10.0cm^{-1} ;
- ◆ intelligent automatic range, automatic conversion in full range;
- ◆ Arbitrary selection of Conductivity, Resistivity and TDS;
- ◆ Check the conductivity, temperature, (4~20)mA at any time;
- ◆ Single channel Isolated (4~20) mA output, instrument/transmitter mode for selection;
- ◆ DC 24V; AC 110V; AC 220V power supply for selection;
- ◆ Measuring, communication, control are completely isolated, more stable;
- ◆ With the CE Certification.

■ Main technical features:

Constant	10.00cm^{-1}	1.000cm^{-1}	0.100cm^{-1}	0.010cm^{-1}
Conductivity	(0.5~20)mS/cm	(0.5~2,000) $\mu\text{S/cm}$	(0.5~200) $\mu\text{S/cm}$	(0.05~18.25) $\text{M}\Omega\cdot\text{cm}$
TDS	(250~10,000)ppm	(0.5~1,000)ppm	(0.25~100)ppm	—
Medium Temp.	(0~50) $^{\circ}\text{C}$			
Resolution	Conductivity	TDS		Temp.
	0.01 $\mu\text{S/cm}$	0.01ppm		0.1 $^{\circ}\text{C}$
Accuracy	Conductivity	Resistivity	TDS	Temp.
	1.5% (FS)	2.0% (FS)	1.5% (FS)	$\pm 0.5^{\circ}\text{C}$
Temperature compensation	(0~50) $^{\circ}\text{C}$ (with 25 $^{\circ}\text{C}$ as Standard)			
Cable length	$\leq 5\text{m}$ (MAX)			
mA output	Isolated (4~20)mA, Instrument / Transmitter for selection			
Control Output	relay contact: ON/OFF, Load capacity: AC 230V/5A(Max)			
Working Environment	Temp. (0~50) $^{\circ}\text{C}$; Relative Humidity $\leq 85\%$ RH (none condensation)			
Storage Environment	Temp. (-20~60) $^{\circ}\text{C}$; Relative Humidity $\leq 85\%$ RH (none condensation)			
Power Supply	CCT-3300	CCT-3310		CCT-3320
	DC 24V	AC 110V		AC 220V
Dimension	48mm \times 96mm \times 80mm (H \times W \times D)			
Hole Size	44mm \times 92mm (H \times W)			
Installation	Panel mounted, fast installation			