

# CON5000 Versatile

Conductivity / TDS/ Salinity Controller / Transmitter



- Designed for precision conductivity / TDS / Salinity control at complex industrial sites or in harsh environment.
- NEMA4X, IP65 rated: waterproof and airproof.
- High protection against electromagnetic interference.
- Control modes: on / off limited control (LIT).
- Separately adjustable high and low set-points.
- Scalable isolated 4 -20 mA Outputs.
- Large LCD, with high luminance LED backlight.
- RS-485 output



## Specification

Conductivity	Range	0.000 $\mu$ S/cm-400.0 mS/cm
	Resolution	0.001 $\mu$ S/cm-0.1 mS/cm
	Accuracy	$\pm$ 0.5% F.S.
	Cell Constant	K=0.01,0.1,1.0,10.0
	Reference Temperature	15.0-25.0 $^{\circ}$ C
	Temperature Factor	0.00-4.00%
Salinity	Range	0.0-400.0 g/L
	Resolution	0.1 g/L
	Accuracy	$\pm$ 0.5% F.S.
TDS	Range	0.000 ppm-400.0 ppt
	Resolution	0.001 ppm-0.1 ppt
	Accuracy	$\pm$ 0.5% F.S.
Temperature	TDS Factor	0.40-1.0
	Range	-10.0-110.0 $^{\circ}$ C
	Resolution	0.1 $^{\circ}$ C
	Accuracy	$\pm$ 0.3 $^{\circ}$ C
	Temperature Sensor	Pt1000
Output/load	Temperature Compensation	Automatic
	Signal Output	4-20 mA (Adjustable)
	Current Accuracy	1%FS
	Load	<500 $\Omega$
Data interface	RS485	have
Relay Output	On/Off	2 SPST Relays
	Output	2.5A 230 VAC
	Cleaning/Alarm Relays	1X 2.5A
Others	Power	85-260 VAC or 24 VDC
	Working Temperature	0-60 $^{\circ}$ C
	Humidity	< 90%
	IP Rated	IP65
	Installation	Panel Mounting
	Dimensions	(H $\times$ W $\times$ D) 108 $\times$ 108 $\times$ 158 mm
	Weight	94.5 $\times$ 94.5 mm

## CS3521 Conductivity sensor

Range: 0 - 30.0 mS/cm      Temp sensor:Pt1000  
 Cell constant: K=1.0 cm-1      Length : 50 mm,  $\Phi$ 13 mm  
 2-electrode Conductivity cell,      Graphite body  
 Temp: -10 $^{\circ}$ C - 80 $^{\circ}$ C      Thread:3/4",NPT 1/2", PG13.5 (optional)  
 Pressure:0 - 8 bar      Cable:5 m

