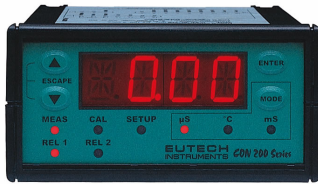




alpha-COND 200 1/8 DIN Conductivity Controllers



Product Features

- v User-Customisation through Scrolling Menu, 14-Segment LED - intuitive user interface guides user easily through setup functions
- v Multi Measurement Range- User Selectable
- v Galvanically Isolated 4-20 mA Output for remote monitoring or hardcopy recording
- v Universal Power Supply Input from 85 to 250 VAC/DC allows use at multiple sites and withstands voltage fluctuations
- v Two Level Password Protection prevents un authorized tampering with settings
- v Automatic Temperature Compensation with 3-wire Pt 100 system ensures accurate readings under fluctuating temperatures
- v Adjustable Temperature Coefficient (0.0 to 5.0%/oC) and selectable cell constants for more accurate measurements
- v Adjustable Hysteresis (Dead Band) prevents rapid contact switching near set point
- v Non-Volatile Memory retains all stored parameters and calibration data even if power fails
- v Easy Installation and Wiring with detachable plug-in connectors

Applications

CON 200: Use for plating tank, rinse water, boiler and cooling tower, feed water and blowdown control, font solution make-up and control for printing, photographic developing, chemical production process, ion exchange systems, R.O. systems, industrial process water, wastewater, dilute acids, salts and bases.

Specifications

Product Specification	Description
Conductivity Range	0.00 – 20.00 $\mu\text{S}/\text{cm}$ 0.1 $\mu\text{S}/\text{cm}$
	0.0 – 200.0 $\mu\text{S}/\text{cm}$ 0.1 $\mu\text{S}/\text{cm}$



	0.0 – 200.0 μ S/cm	1 μ S/cm
	0 – 2000 μ S/cm	1 μ S/cm
	0.00 – 10.00 mS/cm	1 mS/cm
	0.00 – 20.00 mS/cm	1 mS/cm
	0.0 to 200.0 mS/cm	1 mS/cm
	0.0 – 200.0 mS/cm	10 mS/cm
Accuracy	\pm 1% of full scale	
Temperature Range	-10 to 110 °C	
Resolution & Relative Accuracy	0.1 °C & \pm 0.5 °C	
Temperature Sensor	Pt 100 (3-wire)	
Temperature Compensation	Auto / Manual (0°C to 100°C)	
Temperature Coefficient	0.0 to 5.0 %	
Set Point and Controller Functions		
Function	Limit Control	
Switching Hysteresis	10% of full scale	
Contact Outputs, Controller	2 SPDT relays	
Switching Voltage/ Current/ Power	Max 250 VAC/ Max 3A/ Max 600 VA	
Electrical Data and Connections		
Power Requirement	85 to 260 VAC, 50/60 Hz or DC	
Signal Output/ Load	4-20mA galvanically isolated / 200 Ω	
Connection Terminals	3 detachable connectors (3-pin; 7-pin & 9-pin terminal blocks)	
Main Fuse	250mA, Anti-surge (BUSSMAN S504 + 250mA)	
Environmental Conditions		
Maximum Relative Humidity	10 to 95% (Non-condensing)	
Ambient Temp. Operating Range	-10 to 50 °C (14 °F to 122°F)	
Mechanical Specifications		
Dimensions	96 x 48 x 150 mm	
Weights	300 g (boxed)	