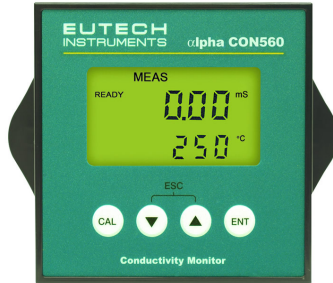




## alpha-COND 560

### 1/4 DIN Industrial Controllers



#### Product Features

##### **CUSTOM DUAL DISPLAY LCD**

Primary and secondary displays are available for simultaneous display of Conductivity and Temperature values. Allows instantaneous viewing of measured readings and setup configurations.

##### **EASY PUSH-BUTTON OPERATION**

Simply calibrate or adjust setup configuration with just a few touches of the buttons. Push-button offset adjustment makes calibration simple in the conductivity models.

##### **TEMPERATURE COMPENSATION**

Compensates variance in the measured readings due to temperature fluctuations, either Automatically (with Pt 100) or Manually (Process and Calibration temperatures can be set separately).

##### **PANEL OR WALL MOUNT, IP65 WEATHERPROOF HOUSING**

Meters can be mounted on the wall or in a control panel. In addition, the IP65 rated housing allows the meter to be installed outdoors or indoors. Mounting accessories are included for both types of mounting.

##### **EASY TO USE CONTROLLER FUNCTIONS**

Two switching contacts acting as set-point relays simplify your task of controlling various processes. Separately adjustable high and low set-point hysteresis ensure chatter-free signal at the set-points.

##### **ADVANCED FEATURES FOR BETTER CONTROL**

Ability to set a time-delay up to 2000 seconds eliminates unneeded control and prevents false alarms, making it ideal for industrial environments.

##### **BACK-LIT UV LIGHT PROTECTED LCD**

Back-lit display ensures easy reading even in the dark. UV light protection minimises adverse effect of exposure to sunlight.



## Specifications

Product Specification	Description
<b>Conductivity range</b>	*(R1): 0-2 $\mu\text{S/cm}$ R1 (R2): 0-20 $\mu\text{S/cm}$ R2 (R3): 0-200 $\mu\text{S/cm}$ R3 (R4): 0-2000 $\mu\text{S/cm}$ R4 (R5): 0-20 $\text{mS/cm}$ R5 (R6): 0-200 $\text{mS/cm}$
<b>Resolution</b>	0.001 $\mu\text{S/cm}$ 0.01 $\mu\text{S/cm}$ 0.1 $\mu\text{S/cm}$ 1 $\mu\text{S/cm}$ 0.01 $\text{mS/cm}$ 0.1 $\text{mS/cm}$
<b>Accuracy</b>	$\pm 1\%$ of full scale reading in respective range
<b>Temperature</b>	-10 $^{\circ}\text{C}$ to 125 $^{\circ}\text{C}$ (14 $^{\circ}\text{F}$ to 257 $^{\circ}\text{F}$ )
<b>Resolution</b>	0.1 $^{\circ}\text{C}$ (0.1 $^{\circ}\text{F}$ )
<b>Relative Accuracy</b>	$\pm 0.5$ $^{\circ}\text{C}$ ( $\pm 0.9$ $^{\circ}\text{F}$ )
<b>Sensor</b>	Pt100 / Pt1000 (3 wire / 2 wire) (selectable)
<b>Temperature Compensation</b>	Auto/Manual (reference at 25 $^{\circ}\text{C}$ )
<b>Cell Constant</b>	User-selectable (0.10 to 10.00)
<b>Temperature Coefficient</b>	0 to 10% (selectable)
<b>Normalisation Temperature</b>	25 $^{\circ}\text{C}$
<b>Controller Function</b>	Limit Control
<b>Relay Operating Parameters</b>	LO (Relay active when measured value < set point) HI (Relay active when measured value > set point)
<b>Time Delay</b>	0 to 2000 seconds
<b>Switching Conductivity Hysteresis</b>	0 to 10% of full scale
<b>Contact Output</b>	2 SPST relay
<b>Switching Voltage/Current Power</b>	Max 250VAC/Max 3A/MAX 600 VA
<b>Display</b>	Dual Display Custom LCD
<b>Backlight</b>	On/Off selectable



<b>Power Requirements</b>	110 or 220 VAC to 9 V DC Adapter
<b>Dimension</b>	96 x 96 x 66 mm (3.78 x 3.78 x 2.6 inch)
<b>Weight</b>	210 g