

# CON500 Loop-Powered Contacting Conductivity Transmitter



## Specifications

<b>Conductivity Ranges:</b>	R1: 0-19.99 $\mu\text{S/cm}$ , 0.01 $\mu\text{S/cm}$ resolution R2: 0-199.9 $\mu\text{S/cm}$ , 0.1 $\mu\text{S/cm}$ resolution R3: 0-1999 $\mu\text{S/cm}$ , 1 $\mu\text{S/cm}$ resolution R4: 0-10.00 mS/cm, 0.01 mS/cm resolution R5: 0-19.99 mS/cm, 0.01 mS/cm resolution R6: 0-199.9 mS/cm, 0.1 mS/cm, resolution
<b>Cell Constants</b>	k=0.1, R1-R5 k=1.0, R1-R6 k= 10.0, R2-R6
<b>Accuracy</b>	$\pm 1\%$ of full scale reading in respective range
<b>Temperature</b>	0 °C to 100 °C (32 °F to 212 °F)
<b>Temperature Resolution</b>	0.1 °C (0.1 °F)
<b>Relative Temperature Accuracy</b>	$\pm 0.5$ °C ( $\pm 0.9$ °F)
<b>Sensor Pt100</b>	(3 wire / 2 wire)
<b>Temperature Compensation</b>	Auto/Manual
<b>Output</b>	4.0-20.0mA (Galvanically isolated)
<b>Cell Constant User-Selectable</b>	(0.10 to 10.00)
<b>Temperature Coefficient</b>	0 to 10% (selectable)
<b>Normalization Temperature</b>	20.0 °C to 25 °C
<b>Display</b>	Dual Display Custom LCD
<b>Power Requirements</b>	12 to 24V DC, maximum 600 Ohm load
<b>Dimension</b>	96 x 96 x 66 mm (3.78 x 3.78 x 2.6 inch)
<b>Weight</b>	210 g
<b>Certifications</b>	CE

Parts covered by this product data sheet include:  
CON500

**Six selectable conductivity ranges for a wide range of measurements**

**Isolated Output prevents output interference caused by electrical noise or leakage from the input source**

**Out-of-range Output Current Indicator indicates an out-of-range measurement by emitting a 3.8mA output current**

**Hold Output Current Indicator to indicate 'HOLD' mode during calibration or set up mode.**

**Scaleable 4-20 mA Current Output**

**Primary and secondary display for simultaneous display of Conductivity and Temperature values**

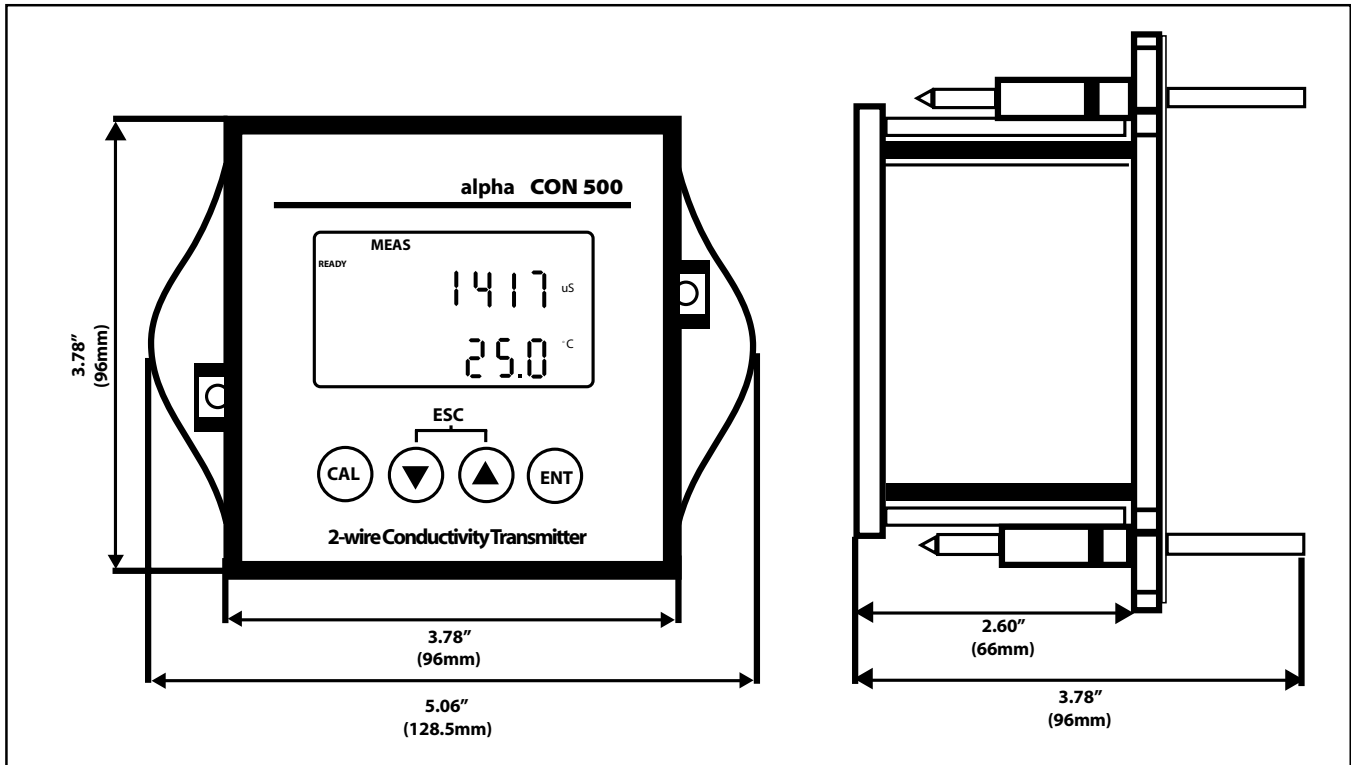
**Easy Push Button Operation**

**Automatic (with Pt 100) or manual Temperature Compensation**

**Panel or Wall Mount, Nema 4x, IP65 Weatherproof Housing**

This isolated output 4-20mA industrial transmitter, a sturdy microprocessor-based instrument, measures conductivity and temperature. It transmits conductivity measurements via a two-wire power supply loop. The industrial transmitter has many user friendly features—all of which are easily accessible via the water resistant membrane keypad. Ideal for connecting to a PLC for advanced control systems, the transmitter can also be connected to a recorder for a low-cost documentation system. The instrument housing is designed for panel or wall mounting.

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### Ordering Information

Part number	Description
CON500	1/4 DIN, 2-wire, loop-powered, 4-20mA, contacting conductivity transmitter