

AWE

Model BCT Conductivity Transmitter



- * **Two Wire Transmitter**
- * **Isolated 4 - 20 mA Output**
- * **Power Supply 12 - 24 VDC**
- * **Automatic Temp Compensation**
- * **cPVC Housing**
- * **Ranges 0-10.0, 0-100.0 or 0-1000mS**
- * **Inline or Submersion Installation**
- * **No User Calibration Required**

The BCT is blind electrodeless (sometimes referred to as toroidal or inductive) two wire conductivity transmitter. The whole assembly is made very compact by mounting the electronics very close to the sensing coils. This reduces the possibility of the very sensitive conductivity sensor to instrument connecting cables picking up electrical interference.

The rugged easy to install sensor maybe mounted up 1000 metres away from the controlling instrument when using our LMK2 connecting cable.

The BCT is available for one of three measuring range either 0 - 10.0mS, 0 - 100.0mS or 0 - 1000mS corresponding to an industry standard output of 4 - 20 mA, which is isolated. The same two wires which supply the 12 - 24 VDC power supply carry the output signal.

Typical applications include rinse water purity control, cooling water TDS control, chemical solution strength control of acid and alkali solutions and detergent strength control in food, brewing and dairy industries.

Control and recording instruments are available to interface with the BCT two wire electrodeless conductivity transmitter.

Specifications

Materials of Construction

Measurement ranges

Max. temp.

Max. pressure

Auto temp comp.

Mounting

Power supply

Output

Cable length

Max cable length

BCT Conductivity Transmitter

cPVC optional PVDF

0 - 10.0 mS, 0-100.0 mS or 0-1000mS

cPVC 50 °C

3 Bar at 20 °C

Mounted into the cell via Pt 100

By 1 1/2" male thread

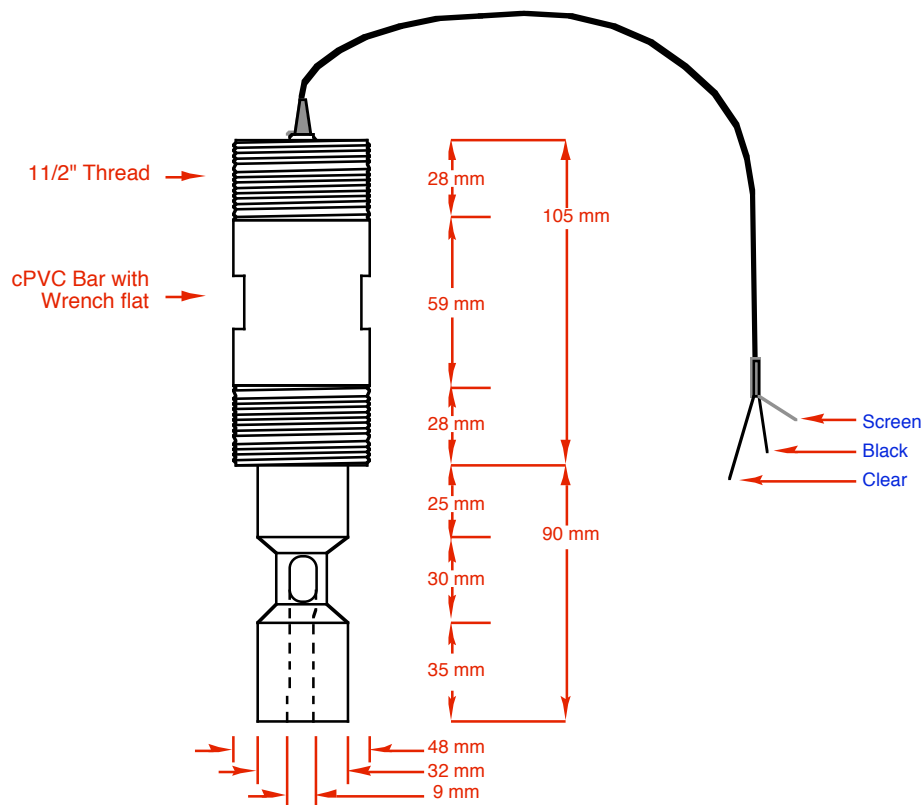
12 to 24VDC 600Ω at 24VDC

4 - 20mA corresponding to the measured range

Standard stock item 3m

1000m Using AWE cable type LMK2 & J-box

Dimensions



BCT 10/100/1000

AWE

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