Glass Conductivity Flow Cell With ATC

The A7000 Polymer Bodied - Glass Inner Conductivity Cell is for continuous flow applications and is ideal for measurements over the range of 1µ/cm to 200mS/cm. It includes Automatic Temperature measurement and Compensation (ATC) over the full range.

The temperature is measured using a 10K Thermistor.

This specially made conductivity cell was originally designed for the continuous monitoring of milk but can be used for the measurement of almost any conducting solution or liquid.

The rugged polymer body houses a glass micro cell body containing two internal active platinum electrodes with a cell constant of K=1. The inlets is on the side of the electrode allow the micro tubing to be connected via a screw thread for secure connection.

The A7000 Conductivity cell is suitable for use with the complete range of EDT conductivity meters and contains a temperature sensor to enable all readings to be temperature compensated (ATC).

Calibration solutions are available and the recommendation for general purpose cells (K=1) is to calibrate using a 1413 µS/cm standard such as EDT A3052 and A3053.

Temperature reading and compensation range is 0-50 degrees centigrade. For process measurements or where the use of glass is not acceptable EDT manufacture a complete range of Conductivity cells to suit most applications.

The A7000 Conductivity cell has a fixed 1 metre cable with a Mini-DIN connector to fit EDT meters. We also manufacture conductivity cells compatible with most models and make of instrument.

Specifications

Body Type	Tough Polymer - Chemically Resistant
Cell Type	Platinum (active)
Conductivity Cell Range	1µS-200mS
Connector	Mini DIN Connector for EDT Conductivity Meters with the following Pin configuration: Pin 1: ATC1 (10K or 30K) Pin 2: Plate 1 Split Pin 3: Plate 1 Split Pin 4: Ground Pin 5: Plate 2 Split Pin 6: Plate 2 Split Pin 7: ATC2 (10K or 30K)
Diameter	12mm Body
Length	67mm. Allow space for tubing connections
Volume	200µL

Related Products

1413µS/cm Conductivity Standard

Conductivity Flow Cell (without ATC)

K=1 Conductivity Flow Cell

www.edt.co.uk/glass-conductivity-flow-cell-with-atc