

Conductivity Cell Junction Head Industrial Model - TBTH Series



Description

The TBTH series conductivity cells are designed for continuous use in water temperatures of up to 80°C. The cells may be installed directly into the process stream or optional bypass chamber.

The electrode materials are a combination of stainless steel and high density carbon and are available in probe constants of K= 0.01, 0.1, 1.0 and K=10 (note: K= 0.01 and K= 10 have stainless steel electrodes).

The cells measure the sample passing through the inside of the cell chamber to eliminate errors caused by external metallic surfaces. This makes them ideal for installation into both metallic and non-metallic flow lines.

Temperature sensing is provided by an inbuilt Pt100 (RTD) temperature sensor. If required, other temperature sensor types may be fitted. Consult supplier for details.

Specifications

Cell constants:	K=0.01, K=0.1, K=1 or K=10
Operating temperature:	Up to 80°C
Operating pressure:	Up to 7 bar (100psi)
Materials:	K=0.01- stainless steel outer cell, stainless steel inner cell K=0.1 & K=1 - stainless steel outer cell, carbon inner cell K=10 - two internal stainless steel electrodes Polypropylene thread, Bakelite junction head and Acetal insulator
Temperature Sensor:	Pt100 (other types available, contact supplier for details)
Process Insertion:	¾" BSP thread

Order Codes:

P-K=0.01TBTHRT	K= 0.01 Conductivity cell with Pt100 temperature sensor
P-K=0.1TBTHRT	K= 0.1 Conductivity cell with Pt100 temperature sensor
P-K=1.0TBTHRT	K= 1 Conductivity cell with Pt100 temperature sensor
P-K=10TBTHRT	K= 10 Conductivity cell with Pt100 temperature sensor

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AMALGAMATED INSTRUMENT CO PTY LTD

ACN: 001 589 439

Unit 5, 28 Leighton Place Hornsby
NSW 2077 AUSTRALIA

Telephone: +61 2 9476 2244
Facsimile: +61 2 9476 2902

e-mail: sales@aicpl.com.au
Internet: www.aicpl.com.au