

# Conductivity Cells - high temperature/pressure

## Features

- K=0.01, K=0.1 and K=1.0 available
- High temperature capability, up to 205°C
- Pt100 temperature compensation sensor
- Junction head for electrical connection

## Description

The P-CS41 high temperature series conductivity cell is designed for continuous use in process temperatures of up to 205°C. The cells may be installed directly into the process stream or in a suitable bypass chamber.

Temperature sensing is provided by an inbuilt Pt100 (RTD) temperature sensor.

See separate brochure for K=10 junction head sensors.

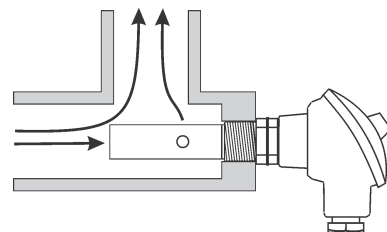


## Specifications

Cell Constant	K=0.01, K=0.1 or K=1.0 types available
Operating temperature	Up to 205°C
Operating pressure	Up to 30 bar at 100°C Up to 15 bar at 205°C
Temperature sensor	Pt100 RTD
Wetted materials	316 S-steel, EPDM and PEEK
Stem Length	70mm (K=0.01) or 56mm (K=0.1 and K=1.0)
Stem Diameter	21mm (K=0.01) or 19mm (K=0.1 and K=1.0)
Process insertion	3/4" NPT thread
Electrical Connection	Screw terminal junction head



Typical installation



## Order codes

- P-CS41-0.01-PT100-HT for K=0.01
- P-CS41-0.1-PT100-HT for K=0.1
- P-CS41-1.0-PT100-HT for K=1.0

These conductivity cells are ideal for direct connection to AIC's range of conductivity cell input instrumentation.

The monitors include the dual channel panel mount model (PM5-CO) and the single channel DIN rail mount model (RM4-CO)

CONDCS41001-1.1-0

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