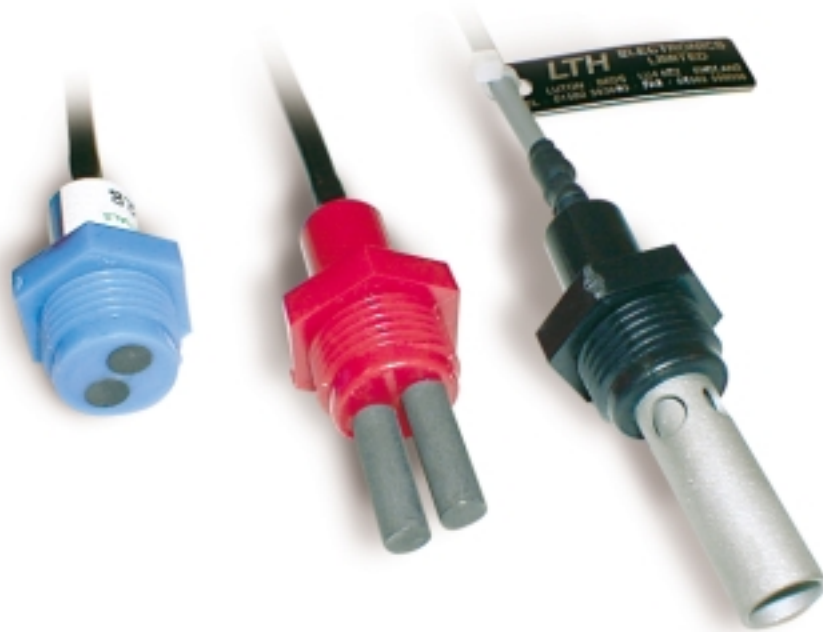


## CMC8 Series of Low Cost Insertion Conductivity Cells



- Low Cost
- Injection Moulded Body
- 0.5" BSP Process Connection
- Integral Connection Cable

The CMC8 series of low cost insertion conductivity cells are ideal for use in small pure water applications where cost and size are the most important factors.

The CMC8/001/PT43 insertion conductivity cell is injection moulded in Polypropylene and uses 2 stainless steel coaxial electrodes. The principal advantage of this construction is that sample volume or the proximity of any pipework does not affect the cell constant.

The CMC8/001/PT43 conductivity cell has a cell constant of  $K=0.0135$  and is suitable for use on low pressure, low temperature pure water applications. The cell is supplied complete with an integral 2 Metre connection cable and features built in Pt1000 temperature compensation.

The CMC8/01 and CMC8/10 insertion conductivity cells are injection moulded in Polypropylene with 2 impregnated carbon electrodes and are supplied complete with either a 2 Metre or 10 Metre integral connection cable.

The CMC8/01 and CMC8/10 conductivity cells are Non-temperature compensated cells and can be supplied with a 0.5" BSP tee as the constant is affected by sample volume. The CMC8/01 conductivity cell has a cell constant of  $K=0.1$  and 2 protruding electrodes. The CMC8/10 conductivity cell has a cell constant of  $K=1.0$ , flush electrodes and is suitable for conductivity readings up to 1000 mS/cm.

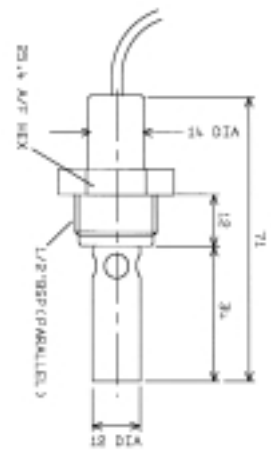
The cells require no initial or periodic calibration and the only maintenance required is to keep the electrode surfaces clean. The conductivity cells can be supplied with traceable certification.



## Specification

### CMC8/001/PT43 Conductivity Cell

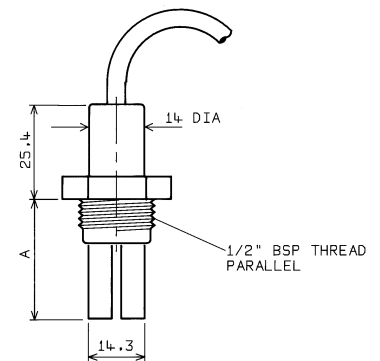
Cell constant:	K=0.0135
Cell constant accuracy:	±3 %
Temperature compensation:	Pt1000 RTD
Cable length:	2 Metres
Wetted materials:	Polypropylene, 316 Stainless Steel
Maximum operating temperature:	50 °C
Maximum operating pressure:	3.3 Bar / 50 PSI
Body colour:	Black



WETTED MATERIALS  
POLYPROPYLENE  
316 ST/STL

### CMC8/01 Conductivity Cell

Cell constant:	K=0.1
Cable length:	2 or 10 Metres
Wetted materials:	Polypropylene, Impregnated Graphite
Maximum operating temperature:	50 °C
Maximum operating pressure:	3.3 Bar / 50 PSI
Body colour:	Red



WETTED MATERIALS  
POLYPROPYLENE  
GRAPHITE

### CMC8/10 Conductivity Cell

Cell constant:	K=1.0
Cable length:	2 or 10 Metres
Wetted materials:	Polypropylene, Impregnated Graphite
Maximum operating temperature:	50 °C
Maximum operating pressure:	3.3 Bar / 50 PSI
Body colour:	Blue

## Order Codes

Type No	Part No	Description
CMC8/001/PT43	1735	K=0.0135 moulded cell with stainless steel electrodes, pt1000 temperature compensation and 2 metres of cable
CMC8/01	1428	K=0.1, no temp compensation, 0.5" BSP male fitting. All moulded cell with 2 metres of connection cable.
CMC8/10	1429	K=1.0, no temperature compensation, 0.5" BSP male fitting. All moulded cell with 2 metres of connection cable.
CMC8/01	1428	K=0.1, no temp compensation, 0.5" BSP male fitting. All moulded cell with 10 metres of connection cable.
CMC8/10	1429	K=1.0, no temperature compensation, 0.5" BSP male fitting. All moulded cell with 10 metres of connection cable.
Tee Piece	1656	Tee piece for use with CMC8 cells, 0.5" BSP.

NOTE: Temperature, pressure & solution composition will influence the life expectancy of the measurement sensor.



These products comply with current European Directives

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