



CS3740ST

Conductivity Sensor / Electrode



The CS3740ST is a 4-pole conductivity electrode with a titanium alloy junction and an integrated PT1000 temperature element. The 4-pole design keeps the cell constant stable across a very wide measuring span and reduces the effect of polarisation and fouling, making the electrode suitable for both low-conductivity process water and highly conductive solutions such as CIP applications. It installs directly into an NPT 3/4 fitting and is supplied with a 10 metre cable as standard.

CONDUCTIVITY
0 ~ 500,000 μ S/cm

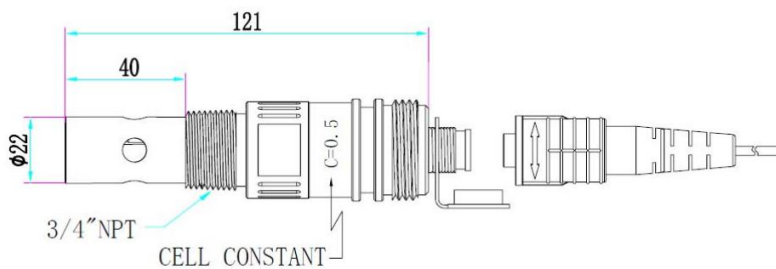
CELL CONSTANT
K $\approx$ 0.5

ELECTRODE
4-pole

PRESSURE
0 ~ 0.6 MPa

TECHNICAL PARAMETERS

Conductivity range	0 ~ 500,000 μ S/cm	Temperature sensor	PT1000 (order code P2)
TDS range	0 ~ 250,000 mg/L	Installation interface	NPT 3/4
Salinity range	0 ~ 700,000 ppm	Cable length	10 m standard (m10) · 20 m optional (m20)
Electrode mode	4-pole	Cable connector	Flat plug pin (A3)
Cell constant	K $\approx$ 0.5	Overall length	121 mm · $\varnothing$ 22 mm
Junction material	Titanium alloy	Thread length	40 mm
Temperature range	0 ~ 120 °C		
Pressure rating	0 ~ 0.6 MPa		



COMPATIBLE INSTRUMENTS

- T6035 Online Conductivity Analyzer (TDS / Salinity)