



# ECS-20 Series

## Low Cost Electrodeless Conductivity Sensors

The ECS20 Series of Electrodeless conductivity sensors have been developed and engineered to produce a very low cost sensor, without sacrificing performance or quality. This has been achieved by injection moulding the sensor in glass loaded polypropylene.

The sensor provides all of the benefits that the method of Electrodeless conductivity measurement provides. It is extremely tolerant of coating on the sensor, probably the greatest problem with conventional conductivity measurement.

The ECS20T incorporates temperature compensation and can be mounted inline, in a tank wall or large bore pipe or in an open tank using a range of adapters.

### Features

- ◆ Low cost
- ◆ Low Maintenance
- ◆ Inline, Dip and Tank Mounting Options
- ◆ Ideal for use with the BC9 series Controllers and the MTD53 Cooling Tower Monitor
- ◆ Ideal for Cooling Tower Bleed, Rinse Water & Solution Concentration Applications



### Technical Specifications

#### ECS 20T

<b>Operating temp</b>	-5 to 60°C (not freezing)
<b>Wetted Material</b>	Glass filled polypropylene
<b>Temp Comp</b>	2 wire Pt1000
<b>Cable</b>	Standard 5 metres 54G terminated with tag ends, extended to instrument limit, via junction box
<b>Connection</b>	0.5" BSP male

#### ECS 22T Dip Assembly

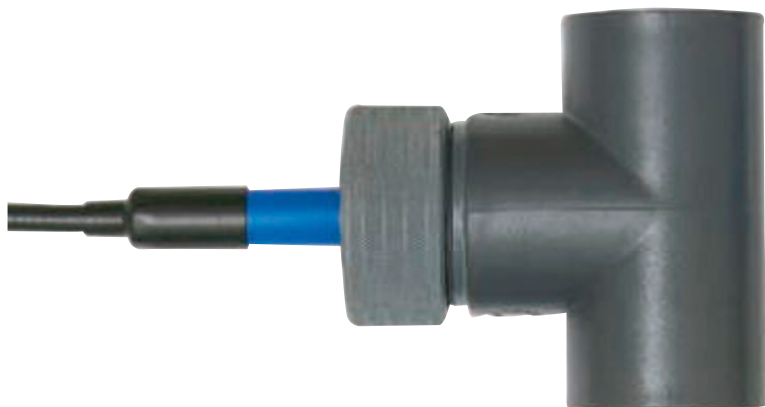
<b>Material</b>	PVC
<b>Operating Temp</b>	-5 to 60°C (not freezing)
<b>Dip Length</b>	600mm or 1200mm
<b>Mounting</b>	Standard bracket or flange option
<b>Protection</b>	IP68

#### ECS 24T In-Line Assembly

<b>Material</b>	PVC with Viton seal
<b>Operating Temp</b>	-5 to 60°C (not freezing)
<b>Size</b>	1.5" plain tee with 0.5" BSP option
<b>Operating Pressure</b>	Vacuum to 6.5 bar (100psi)

#### ECS 27T Tank Mount/Insertion Assembly

<b>Material</b>	PVC with Viton seal
<b>Operating Temp</b>	-5 to 60°C (not freezing)
<b>Size</b>	1.25" BSP
<b>Operating Pressure</b>	Vacuum to 6.5 bar (100psi)



This sensor can be used with MXD73/75 Analyser on page 6 and BXD17 Analyser on page 10