

## ECS20 Series of Low Cost Electrodeless Conductivity Sensors



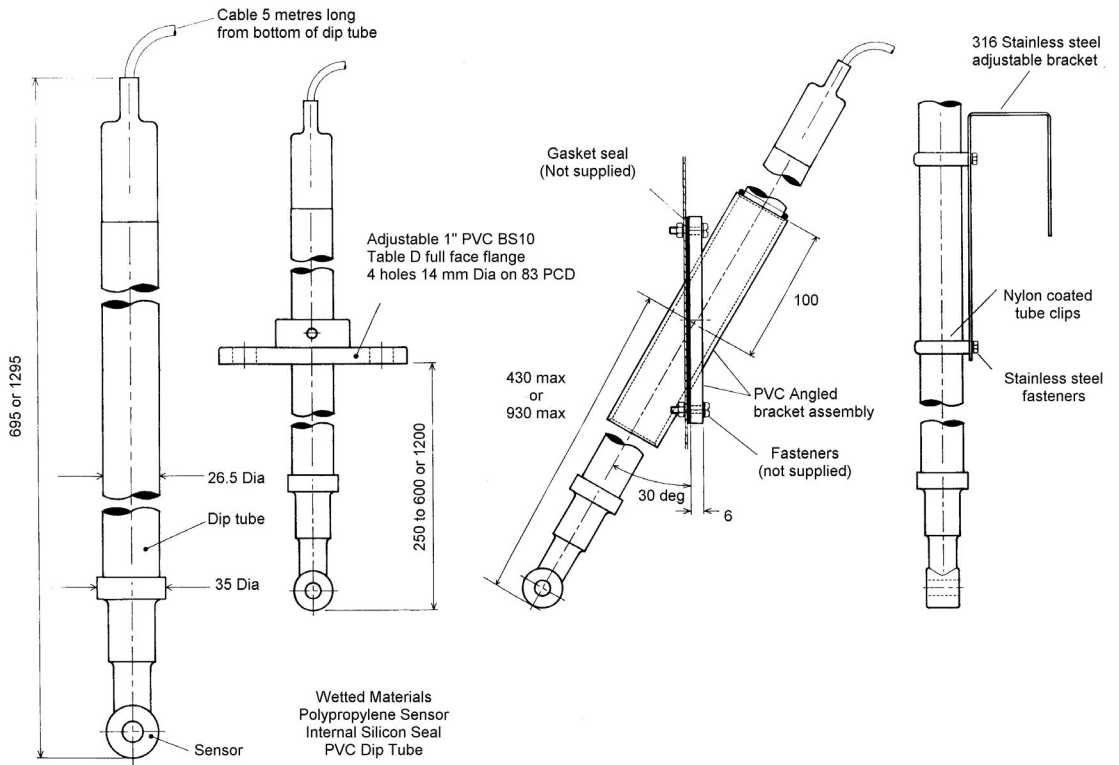
- Low Cost
- Low Maintenance
- Inline, Dip and Tank Mounting Options
- Ideal for use with the BC9 series Controllers and the MTD53 Cooling Tower Monitor
- Ideal for Cooling Tower Bleed, Rinse Water & Solution Concentration Applications

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.

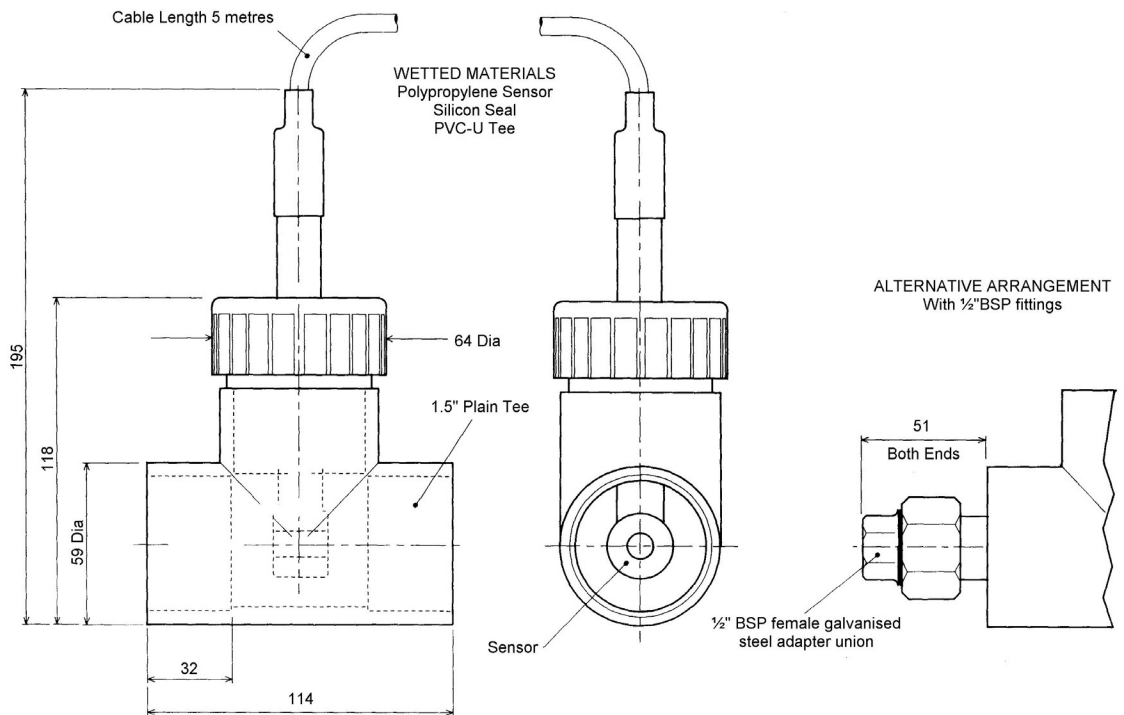
The sensor provides all of the benefits that the method of Electrodeless conductivity measurement provides. It is extremely tolerant of coating on the sensor, probably the greatest problem with conventional conductivity measurement.

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.

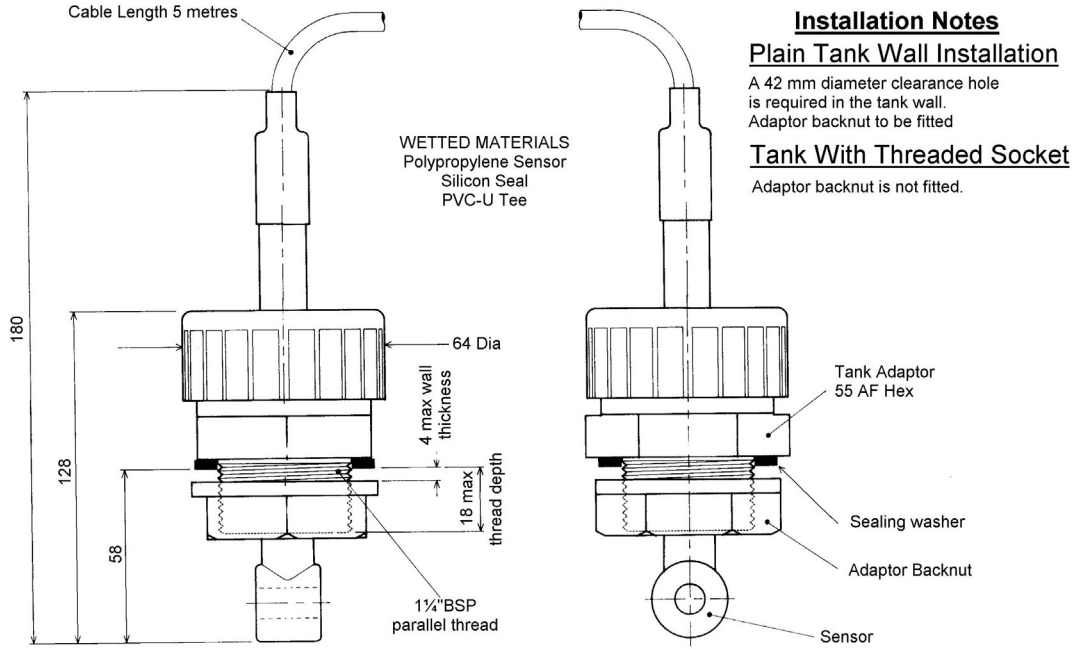
## ECS22T



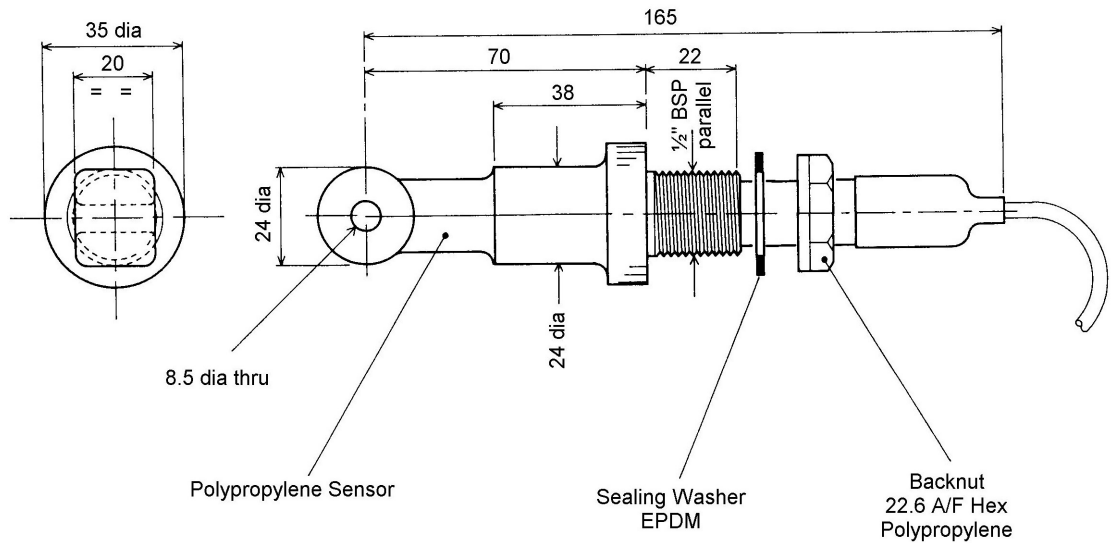
## ECS24T



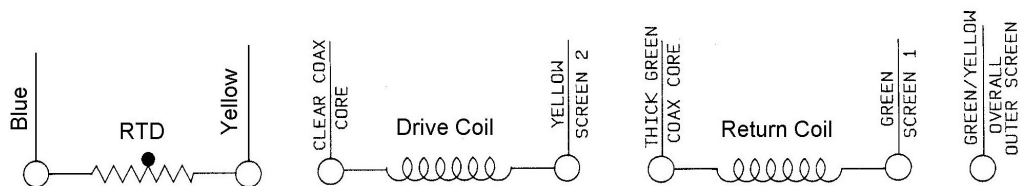
## ECS27T



## ECS20T



NOTE: 22.0 - 21.4 diameter hole required for fitting





## Specification

### ECS20T Sensor Only

Operating temperature: -5 to 60 °C (not freezing)  
 Wetted material: Glass filled polypropylene  
 Temperature compensation: 2 wire Pt1000  
 Cable: Standard 5 metres 54G terminated with tag ends, extended to instrument limit, via junction box.

Connection: 0.5" BSP male

Protection: IP67

### ECS22T Dip Assembly

Material: PVC  
 Operating temperature: -5 to 60 °C (not freezing)

Dip length: 600 or 1200 mm

Mounting: Standard bracket or flange option

Protection: IP68

### ECS24T In Line Assembly

Material: PVC with Viton seal.

Operating temperature: -5 to 60 °C (not freezing)

Size: 1.5" plain tee with 0.5" BSP option.

Operating pressure: Vacuum to 6.5 bar (100 psi).

### ECS27T Tank Mounting/Insertion Assembly

Material: PVC with Viton seal.

Operating temperature: -5 to 60 °C (not freezing)

Size: 1.25" BSP

Operating pressure: Vacuum to 6.5 bar (100 psi).

## Order Codes

Type No	Part No	Description
ECS20T	8480	Polypropylene moulded Electrodeless conductivity sensor with Pt1000 temperature compensator and 5 m of connection cable
ECS22T	8481	600 mm PVC dip assembly with ECS20T sensor.
ECS22T	8482	1200 mm PVC dip assembly with ECS20T sensor.
	6081	ECS22T Tank wall angled flange adapter
	1624	ECS22T Stainless steel mounting bracket
	6082	ECS22T 1" PVC adjustable flange
ECS24T	8489	In-line 1.5" plain PVC tee assembly with ECS20T sensor
ECS24T	8490	As above with 0.5" BSP connections
ECS27T	8491	Insertion tank mounting 1.25" BSP assembly with ECS20T sensor



These products comply with current European Directives