

# DAYTECH EC-1000 Series Datasheet

## Electroconductivity Transmitters



### Overview

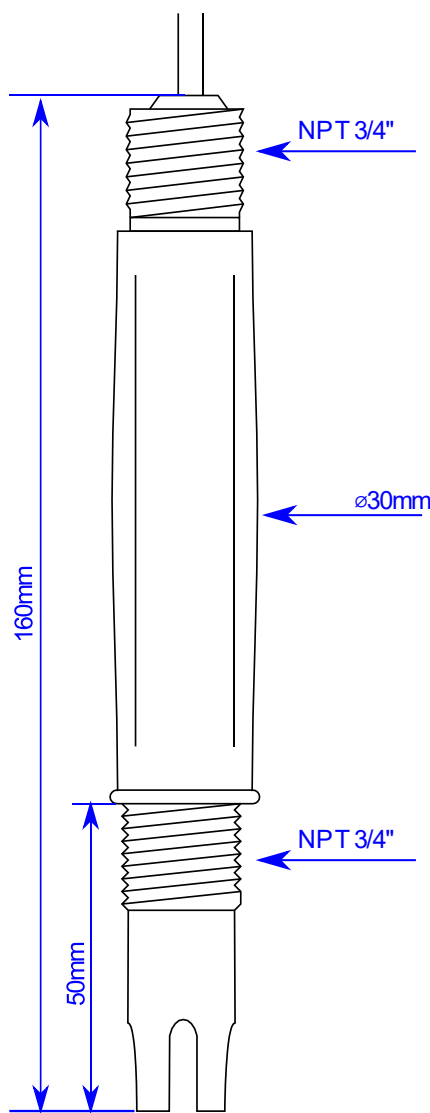
The Daytech EC-1000 range of electroconductivity transmitters are a general-purpose instrument for measuring water quality. They are ideal for monitoring industrial water, surface water, tap water, etc. The design allows the transmitter to be submersed in a tank or attached to equipment.

### Variants

The variants determine the data output type. For example, the EC-1000-5 has a 0-5VDC analogue output.

-5	0V – 5V DC analogue output
-10	0V – 10V DC analogue output
-20	4-20mA current loop
-RS	RS485 Modbus output

### Specifications



Dimensions

#### Conductivity

Range	1.0 $\mu\text{S/cm}$ ~ 20.00 mS/cm
Resolution	0.1 $\mu\text{S/cm}$ ~ 0.01 mS/cm
Cell Constant	K=1.0
Reference Temperature	15.0 ~ 35.0 °C
Temperature Coefficient	0.00% ~ 10.00%

#### Total Dissolved Solids

Range	1.0 ppm ~ 10.00 ppt
Resolution	0.1 ppm ~ 0.01 ppt
TDS Factor	0.40 ~ 1.0

#### Salinity

Range	1.0 mg/L ~ 10.0 g/L
-------	---------------------

#### Temperature

Range	-10.0 ~ 70.0 °C
-------	-----------------

#### Sensor Parameters

Pressure	0 ~ -8 bar
Electrode	Glass, Platinum
Cell Constant	2-electrode, K=1.0 cm <sup>-1</sup>

#### Mechanical

Mounting Thread	NPT 3/4"
Cable Length	5m
Cable Connector	Flying leads
IP Rating	IP68

#### Electrical

Output	0-5V DC, 0-10V DC, 4-20mA, or RS485 Modbus depending on variant.
Power Input	12V DC

**Daytech Pty Ltd**

Measurement and Control Technology for the Process and Environmental Industries.

[www.daytech.io](http://www.daytech.io)

[sales@daytech.io](mailto:sales@daytech.io)