

DAYTECH PH-1000 Series Datasheet

pH Transmitters



Overview

The Daytech PH-1000 series of Digital pH transmitters are a general-purpose instrument for measuring water quality. It is ideal for use in environmental and industrial applications where water quality is to be monitored. The design allows the transmitter to be submersed in a tank or attached to equipment.

Applications

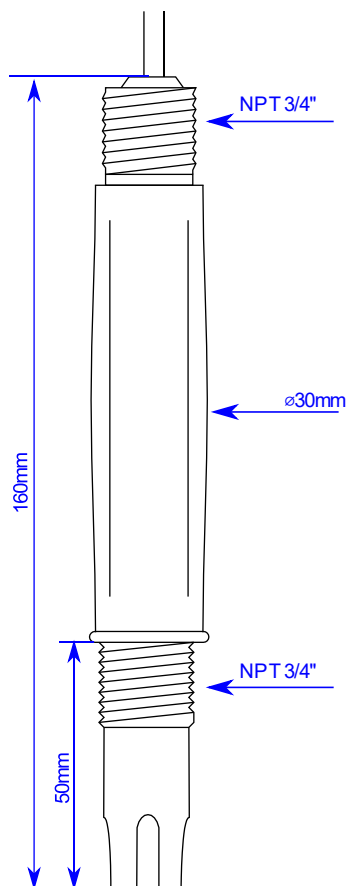
- Environmental water quality monitoring
- Waste-water monitoring
- Manufacturing
- Electrochemical processes

Variants

The variants determine the data output type. For example, the PH-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

Sensor

Range	0 ~ 14 pH
Resolution	0.01 pH
Temperature	0 ~ 80 °C
Reference Temperature	15.0 ~ 35.0 °C
Temperature Coefficient	0.00% ~ 10.00%
Type	Ag/AgCl KCL Ref with Ag+ ion trap, double junction
Sensitive film part no.	B11

Mechanical

Pressure	0 ~ 10 bar @ 50°C
Mounting Thread	NPT 3/4"
Body material	PP
IP Rating	IP68

Electrical

Power Input	12V DC
Data output	0-5V DC, 0-10V DC, 4-20mA or RS485, depending on variant.
Cable Length	5m
Cable Connector	Labelled flying leads

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