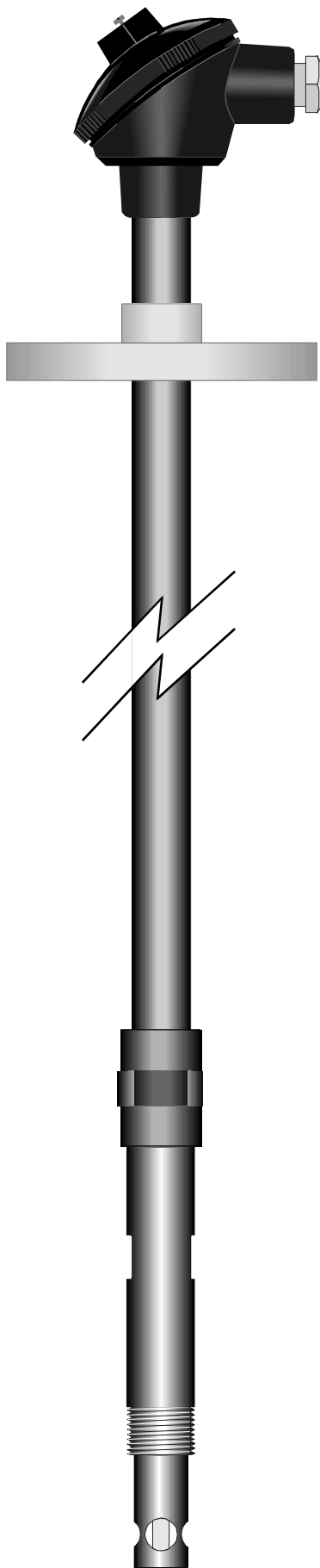
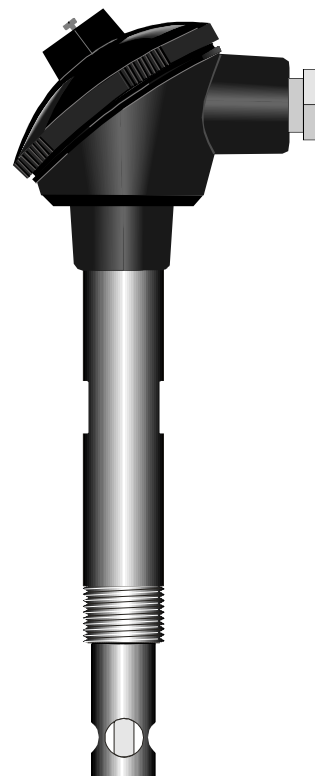


# TH3-PH Loop Powered pH and ORP Transmitters

## Features

- 2 wire loop powered 4-20mA output
- pH temperature compensated when a Pt1000 temperature sensor is used
- Isolated output eliminates ground loop problems
- Submersible and inline models
- Incorporates your choice of sensor from AIC's wide range of pH and ORP electrodes
- Inbuilt calibration adjustments
- Selection of immersion lengths
- IP65 Transmitter head

Inline electrode  
(example)



Submersible electrode  
(example)

The TH3-PH pH transmitters provide an electrically isolated, temperature compensated 4-20mA output. The transmitters are ideal for interfacing to displays, PLCs, data loggers and chart recorders. The isolation feature solves many problems associated with ground loops and streaming currents.

The TH3-PH transmitter automatically temperature compensates its 4-20mA output when a Pt1000 temperature sensor is fitted. Inbuilt trimpots allow user calibration of electrode offset (cal) and gain (slope). The standard pH range is adjustable from 0-14 to 4-10 pH. The output for ORP adjustable from 0-600mV to 0-1000mV. Temperature compensation is not required for ORP (Redox) measurement.

The TH3 transmitter is available with a wide choice of electrodes to suit the installation and the chemical medium. For submersion applications a range of immersion lengths is available.

The choice of electrode designs covers a wide spectrum of applications. For example, the AN68, with triple reference junction, POLARIS and DYNAGEN technologies and the TUFFTIP glass bulb, offers superb contamination and electrolyte poisoning resistance. For inline measurements, especially with viscous or particulate bearing solutions, the AN05 electrode with replaceable flat surface cartridge is ideal.

TH3PH-1.5-0

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