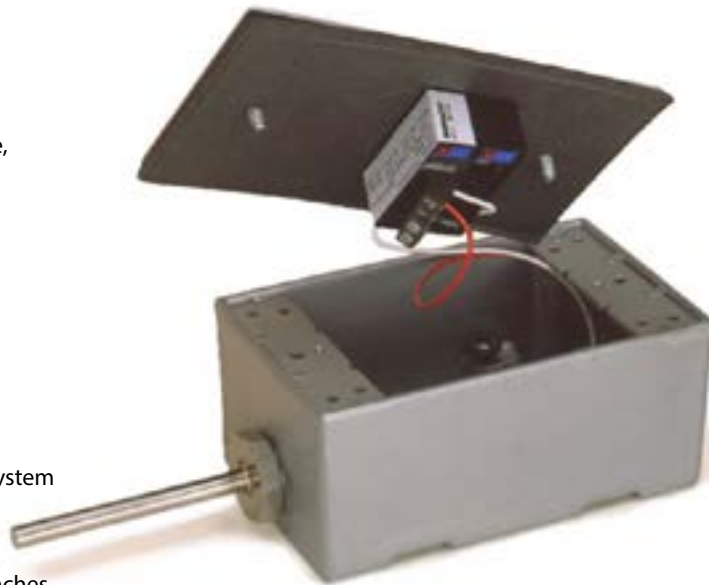


# Refrigeration & Freezer Temperature System

Accurate, rugged, and weatherproof temperature sensors

## Overview

- Ideal for refrigerated rooms, freezers, cold storage facilities and laboratories — anywhere an accurate, rugged, and weatherproof temperature sensor is needed.
- 100  $\Omega$  platinum RTD probe is constructed of 316 stainless steel to be resistant to most chemicals, including ammonia.
- Operates to  $-452^{\circ}\text{F}$  ( $-269^{\circ}\text{C}$ ).
- 4 to 20 mA transmitter is epoxy potted to protect circuitry from condensation and ice. Operates in ambient temperatures down to  $-13^{\circ}\text{F}$  ( $-25^{\circ}\text{C}$ ).
- Transmitter is match calibrated to RTD for 0.75% system accuracy. Free NIST/SI certificate.
- Enclosure is gasketed and moisture resistant.
- RTD probe is available in lengths ranging from 2 inches to 48 inches, and the probe can be center-mounted for through-the-wall installation, or end-mounted for flush-to-the-wall mounting.



## Specifications

### Temperature range:

Probe:  $-269$  to  $260^{\circ}\text{C}$  ( $-452$  to  $500^{\circ}\text{F}$ ).

Transmitter:  $-25$  to  $85^{\circ}\text{C}$  ( $-13$  to  $185^{\circ}\text{F}$ ).

RTD probe: 100  $\Omega$  platinum, 0.00385 TCR.

Transmitter: 4-20 mA output, 8.5 to 35 VDC loop powered.

AS100279	Model number
PD	100 $\Omega$ platinum RTD
67	<b>Probe length:</b> Specify in 0.1" increments (Ex: 67 = 6.7 inches)
M	<b>Temperature range for 4-20 mA output:</b> M = $-50$ to $50^{\circ}\text{C}$ ( $-58$ to $122^{\circ}\text{F}$ ) AD = $-40$ to $48.9^{\circ}\text{C}$ ( $-40$ to $120^{\circ}\text{F}$ ) DN = $-30$ to $50^{\circ}\text{C}$ ( $-22$ to $122^{\circ}\text{F}$ ) S = $-18$ to $37.8^{\circ}\text{C}$ ( $0$ to $100^{\circ}\text{F}$ ) BY = $-10$ to $40^{\circ}\text{C}$ ( $14$ to $104^{\circ}\text{F}$ ) <i>See pages 42-43 for more ranges or check on Mod-tronic.com.</i>
AS100279PD67M = Sample part number	

