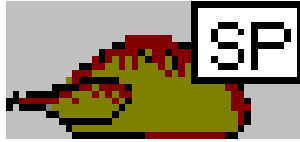


023-0059 Product simulator probe Specifications

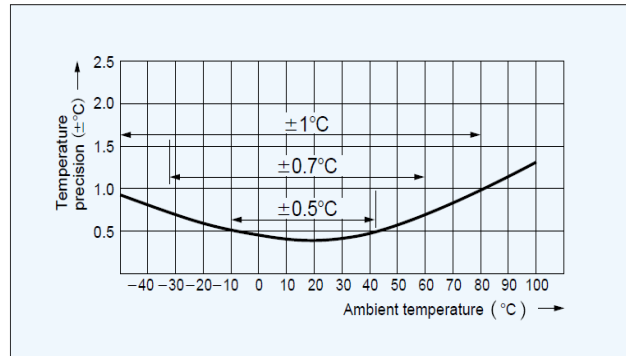


Product Probe is a standard thermistor sensor which has been thermally insulated with material that affects the time/temperature response. When used in a refrigeration display cabinet, the Product Simulator Probe is designed to replicate Product in a refrigerated space, thus giving a more accurate representation of the actual product temperature.

Specifications

Probe application	Product temperature
Signal type	NTC 2k
Sensor Operating Temperature Range	-50 to 90 °C (-58 to 194 °F)
Enclosure type	ABS Magnetic base
Size w x d x h	75 x 75 x 50mm (3.0 x 3.0 x 2.0")
Weight	0.3Kg (0.66lb)
Wiring Connections	2 lead (1.5m)
Accuracy before calibration	±0.5°C over -10 to 42°C (±0.9°F over 14 to 108°F)
Power	Not required

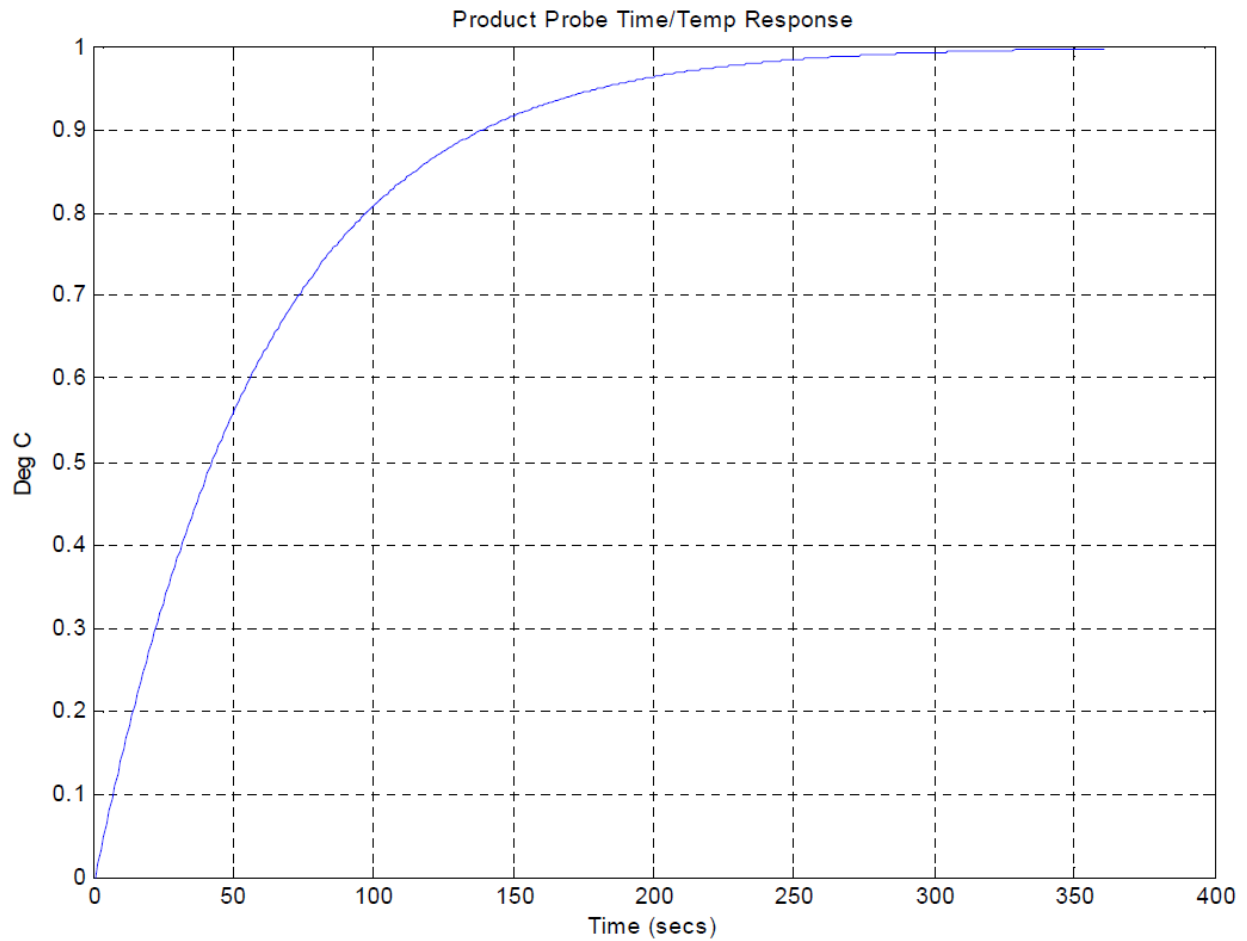
Interchange precision



Please note: The specifications of the product detailed on this data sheet may change without notice. Micro Thermo Technologies shall not be liable for errors or for incidental or consequential damages, directly or indirectly, in connection with the furnishing, performance or misuse of this product or document..



Thermally damped sensor with magnetic base



The above graph shows the normalised Time/Temperature response
The temperature change follows the following equations: -

$$\text{Rising Deg C} = 1 - e^{-T/60}$$

$$\text{Falling Deg C} = e^{-T/60}$$

Where T =time