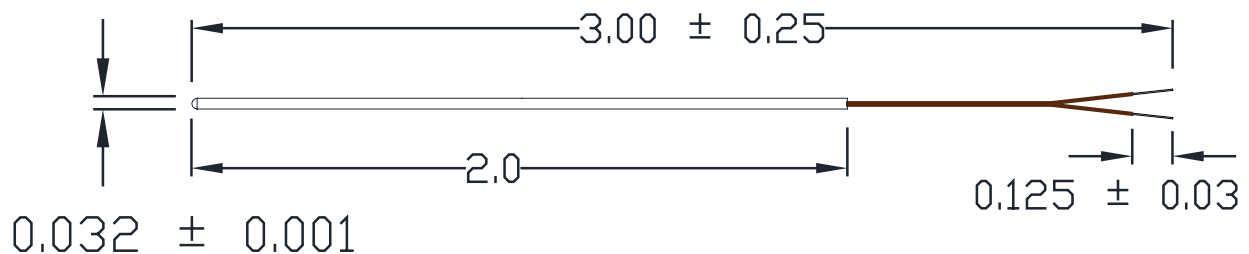
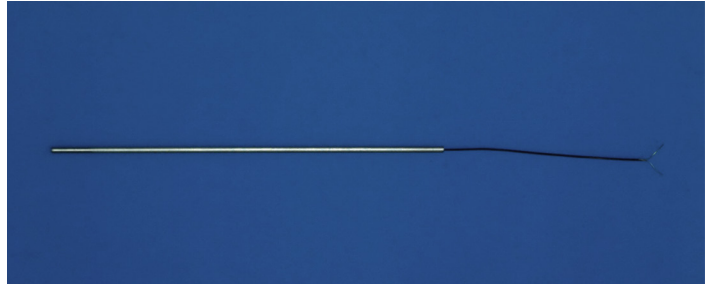




MP01 NTC Thermistor Micro Probe

Description:

The MP01 NTC thermistor micro probes can fit inside small spaces and have phenomenal time response — all with excellent environmental protection inside a tiny 0.032" OD stainless steel housing.



(Drawing dimensions are typical)

Features:

- Fast time response
- Protected inside 0.032" OD stainless steel housing
- Precise over a wide temperature band

The MP01 NTC thermistor micro probe is incredibly useful for its ability to fit inside very small spaces while having excellent time response and environmental protection. Additionally, this part can be made with high accuracy, interchangeable, high stability thermistors making it very useful for a wide variety of applications. This part can be built with custom thermistors, cable lengths, sizes, and connectors to suit your needs. Contact us at info@northstarsensors.com for assistance with your unique application. RoHS compliant.

Applications:

- Medical devices
- Weather instruments
- Laboratory equipment
- Temperature controllers



MP01 NTC Thermistor Micro Probe

Typical Configurations:

Part Number	Resistance at 25 °C	Temperature Tolerance	R/T Curve	Housing Length	Overall Length
MP01-103R44T2A	10 KΩ	± 0.2 °C from 0 °C to 70 °C	44	2"	3"
MP01-103R44T1A	10 KΩ	± 0.1 °C from 0 °C to 70 °C	44	2"	3"
MP02-103R44T5A	10 KΩ	± 0.5°C from 0 °C to 70 °C	44	1"	1.8"

A wide variety of configurations are possible. Contact us at info@northstarsensors.com for assistance with your unique application.

Resistance vs Temperature Conversion Tables

Other Specifications:

Operating Temperature	0 °C to 100 °C
Max Temperature	125 °C
Recommended Measurement Current	< 50 μA
Time Constant	< 400 ms in stirred liquid
RoHS and REACH	Compliant

°C	CURVE 44	
	Ω RATIO R _T / R ₂₅	NTC (%/°C)
-10	5.5325	-5.44
-5	4.2325	-5.27
0	3.2651	-5.11
5	2.5393	-4.95
10	1.9901	-4.80
15	1.5712	-4.66
20	1.2493	-4.52
25	1.0000	-4.39
30	0.80567	-4.26
35	0.65314	-4.14
40	0.53266	-4.02
45	0.43689	-3.91
50	0.36031	-3.81
55	0.29857	-3.71
60	0.24869	-3.61
65	0.20816	-3.51
70	0.17508	-3.42
75	0.14793	-3.33
80	0.12554	-3.24
85	0.10700	-3.16

Please visit northstarsensors.com/temperature-curves for additional tables