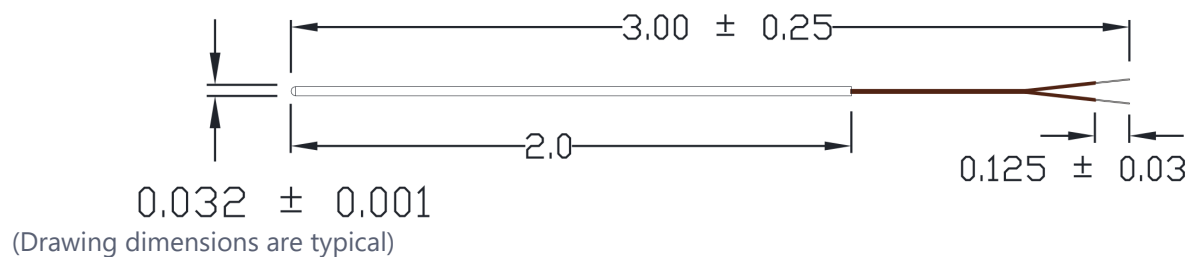
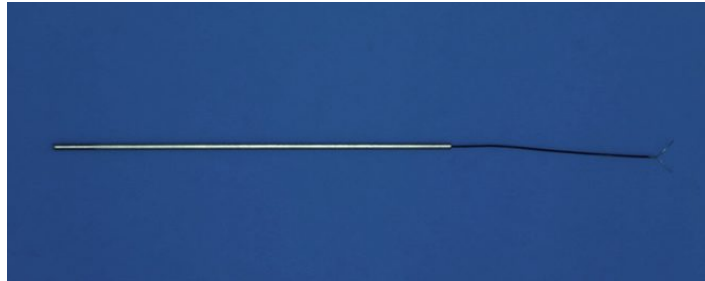




MP01 NTC Thermistor Micro Probe

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.



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**
- **Laboratory equipment**
- **Temperature controllers**
- **Weather instruments**

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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 K Ω	± 0.2 °C from 0 °C to 70 °C	44	2"	3"
MP01-103R44T1A	10 K Ω	± 0.1 °C from 0 °C to 70 °C	44	2"	3"
MP02-103R44T5A	10 K Ω	± 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.

Other Specifications:

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

Resistance vs Temperature Conversion Tables

°C	CURVE 44	
	Ω RATIO	NTC
	R_T / R_{25}	(%/°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