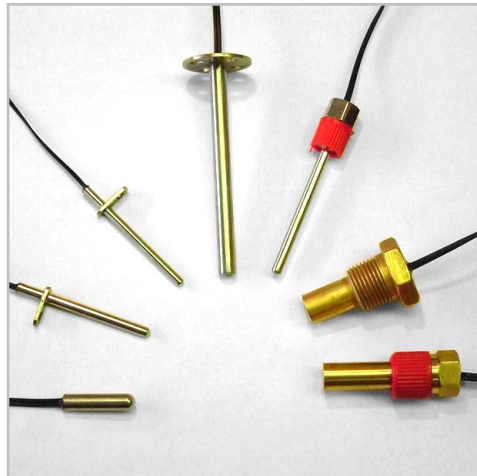




**CANTHERM**

*Supplying high-quality bimetal and thermal sensor products.*

## THERMISTOR PROBES





# THERMISTOR PROBES

## THERMISTOR PROBES

Cantherm thermistor probes and thermowells use the highest quality NTC or PTC thermistors available and are encased in housings made of either brass, aluminum or stainless steel suitable for a wide range of applications such as HVAC or process control. They can be installed almost anywhere from an air plenum to a pressure vessel having a NPT threaded sleeve. We can install your thermistor of choice into a standard or custom made protection tube or probe and equip it with a variety of styles of wire and connectors. Contact Cantherm's technical sales staff to design a probe that fits your needs.

## FEATURES:

- Available in water jacket or thermistor protection tube style housings
- Thread sizes from 1/8 to 1/2" NPT
- Material: brass, aluminum or stainless steel
- Thermowells are available with or without flanges or mounting tabs
- Temperature range: -55°C to +250°C
- Made with UL approved components
- Custom housings available on special order
- Terminations: Flexible wires, screw terminals, 1/4" M Quick Connect
- Custom wiring and terminations available to customers requirements

## APPLICATIONS:

- Automotive
- Appliances
- HVAC
- Heavy Equipment
- Hydraulics
- Recreational
- Process Control
- Fluid level control
- Refrigeration

## WATER JACKET STYLE

- Standard immersion style housings
- Probe bodies available in brass or Stainless Steel
- Larger bodies can accept more than one device, ex: 1 thermostat and 1 thermistor
- Temperature range: -55°C to 250°C
- Tolerance:  $\pm 1\%$  thru  $\pm 10\%$
- Special tolerances are available on special order
- Popular Beta values



BPT 3 Housings

CWF5A

PSSxx-01

## FLANGED STYLE

- Affordable general purpose flanged temperature sensor for HVAC
- Thermowells are available in aluminum or stainless steel
- Custom designs available on special order
- Temperature range: -55°C to 250°C
- Tolerance:  $\pm 1\%$  thru  $\pm 10\%$
- Special tolerances are available on special order
- Popular Beta values



FAL / FSS

# CANTHERM

## TAB STYLE

- Thermowells are available in aluminum or stainless steel
- Custom designs available on special order
- Temperature range: -55°C to 250°C
- Tolerance:  $\pm 1\%$  thru  $\pm 10\%$
- Special tolerances are available on special order
- Popular Beta values



TSS50-3.8 / TSS50-3.2

TSS165-3.8

FSS / TSS / PSS

## TERMINATIONS:

**W2** TWO WIRES

**QC2** TWO 1/4" M QUICK CONNECT

**ST2** TWO SCREW TERMINALS

## HOW TO ORDER:

EXAMPLE:

THERMISTOR MODEL  
*MF52A103F3380*

HOUSING  
*PSS50-01*

TERMINATIONS  
*W2*

NOTE:

Not all terminations are available on every housing  
BPT38-06 and BPT50-08 are available with or without MYLAR sleeve.

## MOISTURE RESISTANT ATMOSPHERIC SENSOR

- Affordable temperature sensor for outdoor applications
- Protection tubes are available in plastic, aluminum or stainless steel
- Custom designs available on special order
- Custom wiring options available
- Temperature range: -55°C to 250°C
- Tolerance:  $\pm 1\%$  thru  $\pm 10\%$
- Special tolerances are available on special order
- Popular Beta values



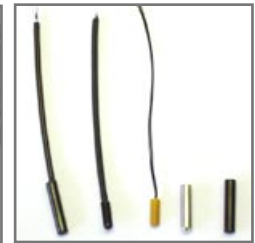
CWF3 PTSS25-6.0



CWF3D



CWF2G



Various

## NTC THERMISTORS

Part No.	Rated Resistance R <sub>25</sub> (K $\Omega$ )	B Value (25/50°C) (K)	Rated Power (mw)	Dissi. Coef. (mW/°C)	Thermal Time Contant(S)	Operating Temp. (°C)
MF52□□□3100	0.1-20	3100				
MF52□□□3270	0.2-20	3270				
MF52□□□3380	0.5-50	3380				
MF52□□□3470	0.5-50	3470				
MF52□□□3600	1-100	3600	$\leq 50$	$\geq 2.0$	$\leq 7$	-55° - +125°C
MF52□□□3950	5-100	3950				
MF52□□□4000	5-100	4000		In Still Air	In Still Air	
MF52□□□4050	5-200	4050				
MF52□□□4150	10-250	4150				
MF52□□□4300	20-1000	4300				
MF52□□□4500	20-1000	4500				

**NOTE:** FOR COMPLETE DETAILS OF THE AVAILABLE RANGE OF NTC AND PTC THERMISTORS PLEASE SEE THE THERMISTOR SECTION ON OUR WEBSITE. [www.cantherm.com](http://www.cantherm.com)

THE TABLE TO THE LEFT SHOWS ONLY A FEW OF THE POSSIBLE PRODUCTS THAT CAN BE INCORPORATED INTO ANY OF THE ABOVE BODIES.



8415 Mountain Sights Avenue • Montreal (Quebec), H4P 2B8, Canada  
**Tel:** (514) 739-3274 • 1-800-561-7207 • **Fax:** (514) 739-2902 **E-mail:** sales@cantherm.com

**Website:** [www.cantherm.com](http://www.cantherm.com)

2009/May  
CT-M-ENG-02T-1