



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## → NTC probe

- Direct connection with no converter on analogue input
- Low-cost temperature control solution
- Fields of application:
  - HVAC
  - Compressors
  - Geothermal systems



Sensor NTC

### Part numbers

Type	Description	Ohmic value	Measurement range	Code
AS	NTC probe (batch of 10) for Millenium 3 (24 V $\overline{\text{---}}$ , $\pm 10\%$ )	10 k $\Omega$ @ 25°C	-25 $\rightarrow$ +85° C	89750180
	NTC probe (batch of 100) for Millenium 3 (24 V $\overline{\text{---}}$ , $\pm 10\%$ )	10 k $\Omega$ @ 25°C	-25 $\rightarrow$ +85° C	89750181

### Accessories

Accessories	Operating temperature	Operating pressure	Code
Copper protective sleeve	-20 $\rightarrow$ +100°C	10 bar	89750146
316 stainless steel protective sleeve	-20 $\rightarrow$ +400°C	16 bar	89750147

### General characteristics

#### Environmental characteristics

Operating temperature	-25 $\rightarrow$ +85°C
Storage temperature	-30 $\rightarrow$ +100°C
Accuracy	-25 °C $\rightarrow$ +40 °C: = $\pm 0.8$ °C (Repeat accuracy $\leq \pm 0.5$ °C) +40 °C $\rightarrow$ +50 °C: = $\pm 1.2$ °C (Repeat accuracy $\leq \pm 1$ °C) +50 °C $\rightarrow$ +60 °C: = $\pm 1.4$ °C (Repeat accuracy $\leq \pm 1.4$ °C) +60 °C $\rightarrow$ +70 °C: = $\pm 2$ °C (Repeat accuracy $\leq \pm 2$ °C) +70 °C $\rightarrow$ +85 °C: = $\pm 3$ °C (Repeat accuracy $\leq \pm 2$ °C)

#### Mechanical characteristics

Cable	-30 $\rightarrow$ +100°C, 2 identical colour wires
Cable length	60 cm

#### Comments

Analogue input configured as potentiometer via the Custom function (NTC1, in M3 SOFT software part no.: 88970111).  
 Probes only available on the Custom range (88974XXX, NB, NBR)

### Dimensions (mm)

89750180

