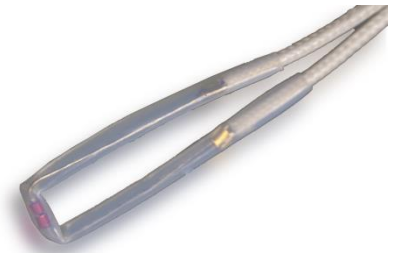MFP series temperature sensor using the NTC resistance element, according to the different temperature environment or application, through the mature technology, fabricate into a variety of specifications of the sensor, customers can use directly without fabricating.

MFP-1 Series Sensor is simply connected to silicon rubber or other high temperature lead wire. NTC protect by silicon rubber tube or Teflon tube

Typical Applications	Features
● Rice Cooker	● Simply connected to high temperature lead wire
● Induction cooker	Protected by silicon rubber tube or Teflon tube.
● Ambient temp etc.	

Technical Data

Item	Parameter
Sensing Element	NTC Thermistor various R and B value on request
Temperature range	-20°C to +180°C
Response time	$T_{0.63} \leq 60s$ in air
Dissipation Factor	≥ 2.5mW/°C
Long-term stability	Drift ≤ 3% after 1000h heat or cold store (80°C / -30°C)
Dielectric Strength	$1500V_{AC}$
Insulation Resistance	≥100MΩ $500V_{DC}$

Ordering code

$$\underline{\text{MFP-1}} \quad \underline{\text{X}} \quad \underline{\text{XXX}} \quad \underline{\text{X}} \quad \underline{\text{XXX}} \quad \underline{\text{X}} \quad \underline{\text{X}} \quad \underline{\text{X}} \quad \underline{\text{X}}$$
$$(1) \qquad (2) \quad\; (3) \qquad (4) \quad\; (5) \qquad (6) \quad\; (7) \quad\; (8) \quad\; (9)$$

1. Housings Type.

Code	Description
MFE	Epoxy encapsulation type or injection molding type
MFT	Tubular type
MFL	Insert lead type
MFP-1	Line pressing type
MFP-2	Surface installation type
MFP-3	Multi-step type
MFP-4	Flange shape type
MFP-5	Hat shape tube type
MFP-6	Threaded fastening installation
MFP-7	Pipe clamp type

2. Sub-class: Housings shape.

3. Resistance value at 25°C.

4. Resistance tolerance.

Code	Tolerance (25°C)%	Code	Tolerance (25°C)%
E	±0.5	H	±3.0
F	±1.0	J	±5.0
G	±2.0	K	±10.0

5. Beta value, unit: K.

6. Beta value Temperature code.

Code	T1/T2
A	25/50(Default)
B	25/85
E	Defined by Customer

7. Wire type.

8. Wire length.
The 1st and 2nd digits are for the significant figures of the length and the 3rd indicate the numbering of the zeros following.

Example: 1m = 102, 10m=103.

9. Housings Drawing number.