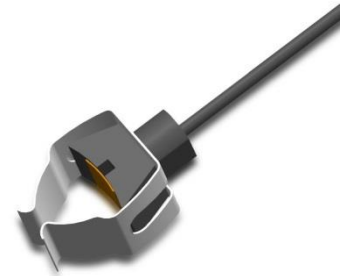


MFP series temperature sensor using the NTC resistance element, according to the different temperature environment or application, through the mature technology, fabricate into a variety of specifications of the sensor, customers can use directly without fabricating.



### Typical Applications

- Pipe heating
- Floor heating
- Cogeneration systems

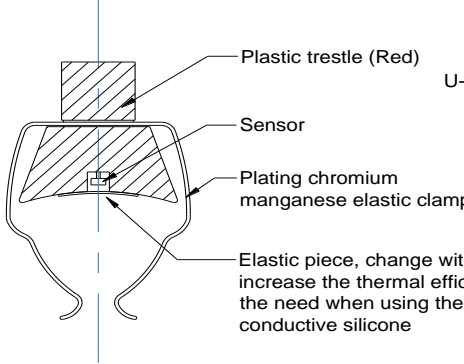
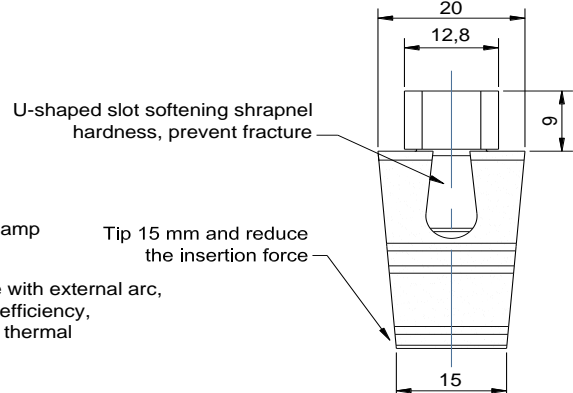
### Features

- Fast response
- High temperature measuring precision
- Small volume, convenient installation
- Heat resistant plastic shell
- High reliability and long term stability

### Technical Data

Item	Parameter
Sensing Element	NTC Thermistor various R and B value on request
Temperature range	-40°C to +105°C
Response time	Water (0.4m/s) T0.63 ≤ 30s
Dissipation Factor	≥ 2.5mW/°C
Long-term stability	Drift ≤ 3% after 1000h heat or cold store (80°C / -30°C)
Dielectric Strength	1500VAC
Insulation Resistance	≥100MΩ 500VDC

### Dimensions (mm)

Part No.	Dimensions
<p>MFP-7A</p> 	

Other options:

- Different NTC R-T curve can be choose
- Different probe and wire size and color available
- Different size SUS housings available for sensor mounting protection
- Different type of connector available

### Ordering code

$\frac{FTN}{(1)}$      $\frac{8x}{(2)}$      $\frac{XXX}{(3)}$      $\frac{X}{(4)}$      $\frac{XXX}{(5)}$      $\frac{X}{(6)}$      $\frac{X}{(7)}$      $\frac{X}{(8)}$      $\frac{X}{(9)}$

(1) Focusens NTC series temperature sensor product.

(2) Housings shape.

Code	Type
1x	Epoxy package
2x	Round tube
2Tx	Injection molding
3x	Naked resistance sensor without shell
4x	surface installation
5x	Multi-step type housings
6x	Threaded fastening installation
7x	Flange shape
8x	Pipe clamp type

(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) B value Temperature code.

Code	T1/T2	Code	T1/T2
A	25/50(Default)	F	0/80
B	25/85	G	25/100
C	0/25	H	-18/25
D	0/50	M	-20/25
E	0/100	N	5/25

(7) Housings size, please consult the sales staff.

(8) Wire type.

Code	Material	Code	Material
P	PVC	G	Fiber Glass
E	PTFE	T	Teflon

(9) Wire length, unit: cm.