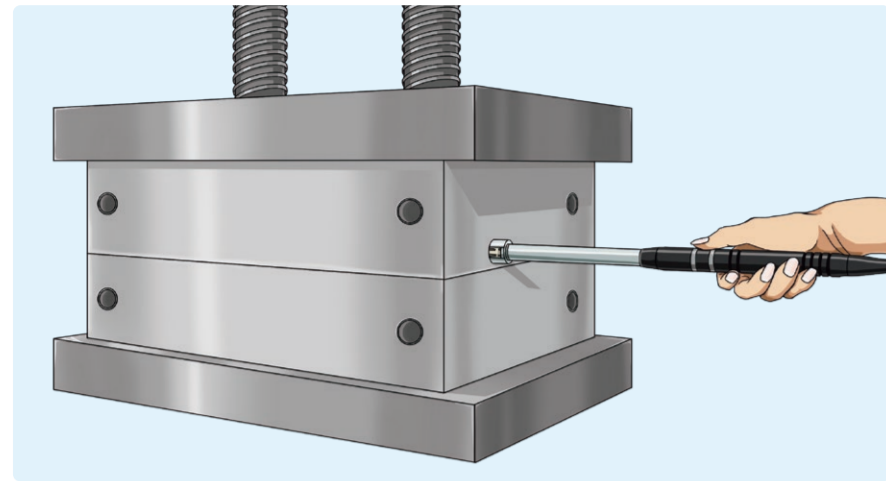


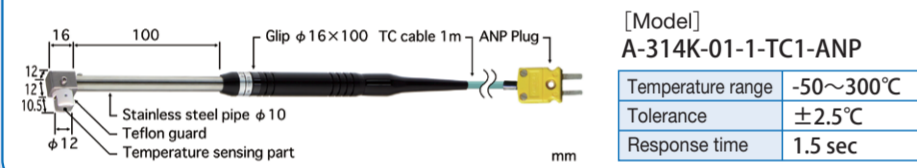
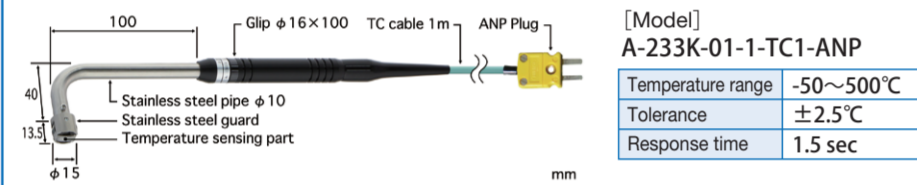
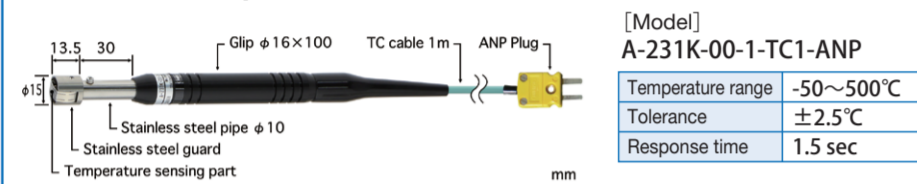
## Surface Probes

### General Stationary Surface Probes Model A series

Good response time and durability

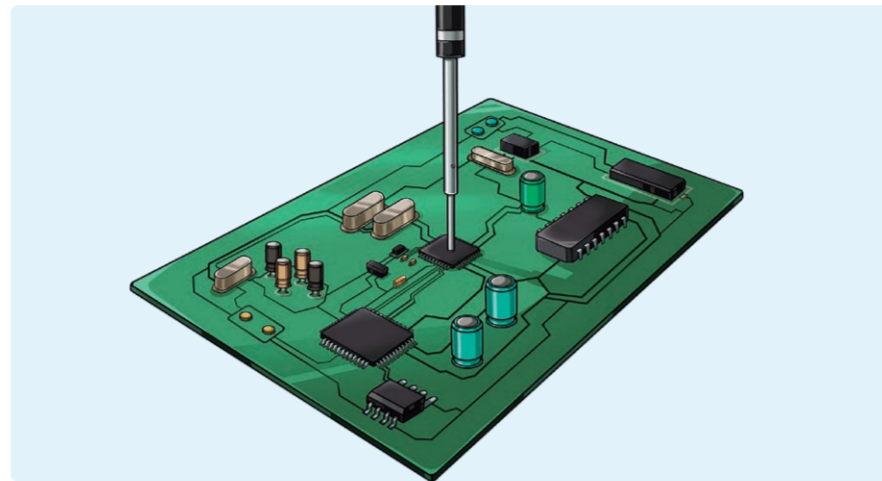


#### • Surface temperature measurement of mold

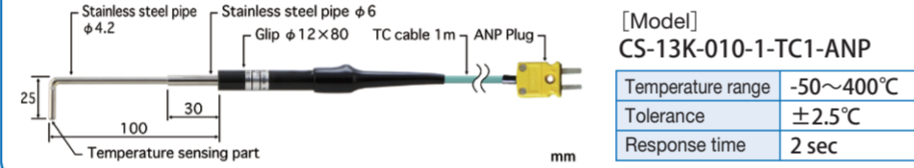
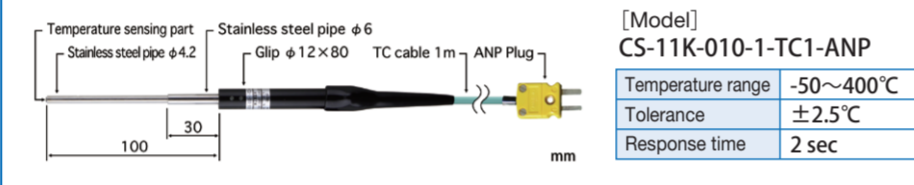
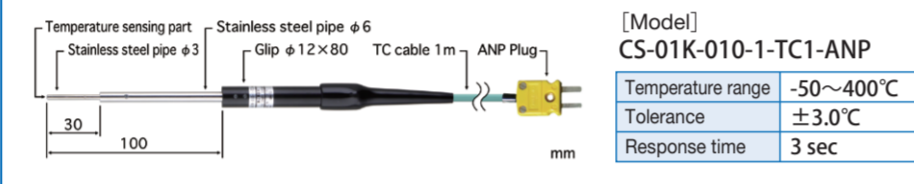


### Micro Sensor Probes Model CS series

Suitable for temperature measurement of small parts



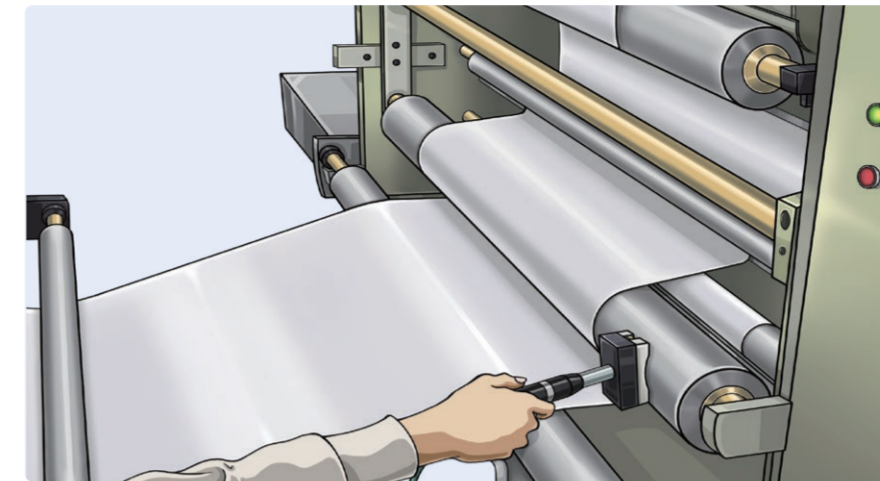
#### • Surface temperature measurement of small electronic components



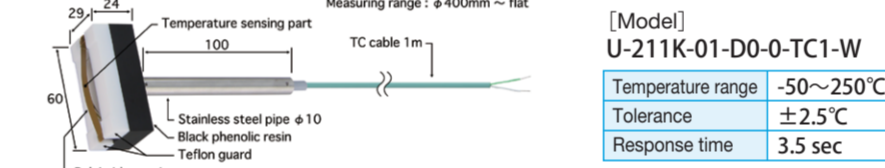
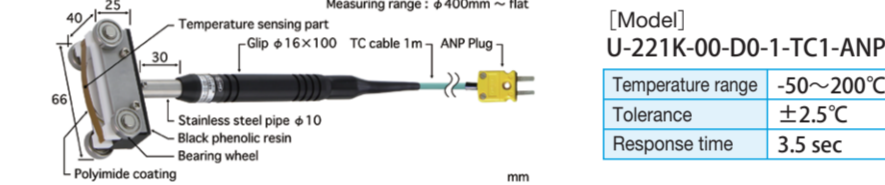
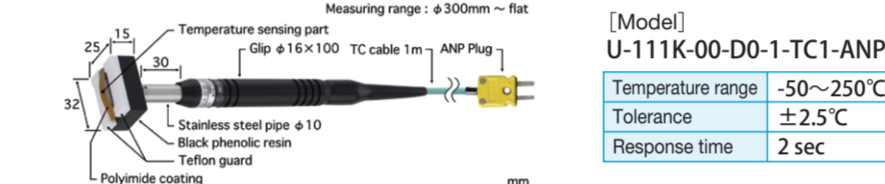
## The probes for Moving surface

### General Moving/ Rotating Surface Probes Model U series

Suitable for temperature measurement during moving rotation

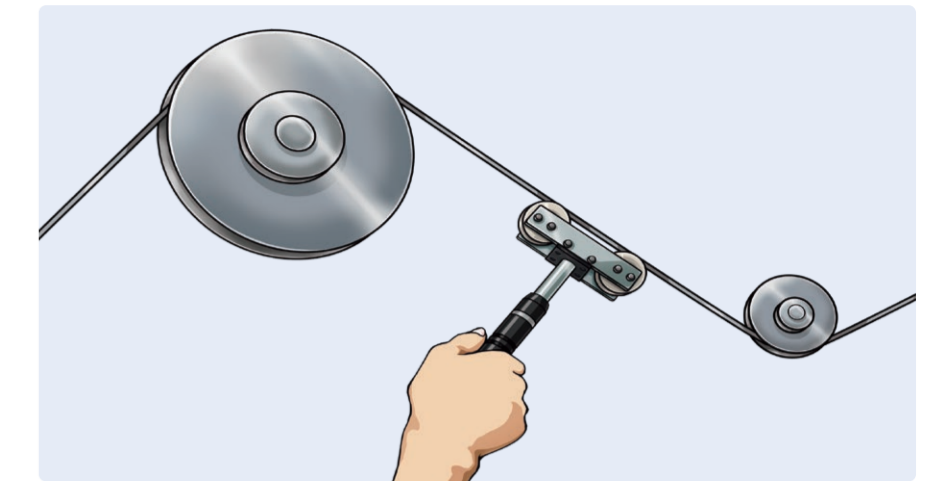


#### • Measurement of rotating surface temperature of roller of laminator

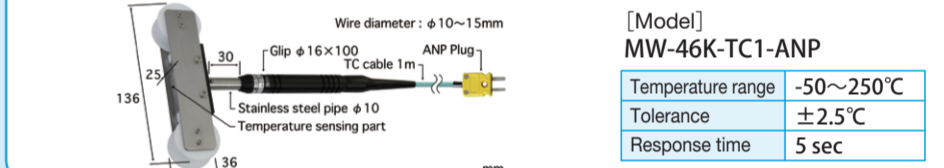
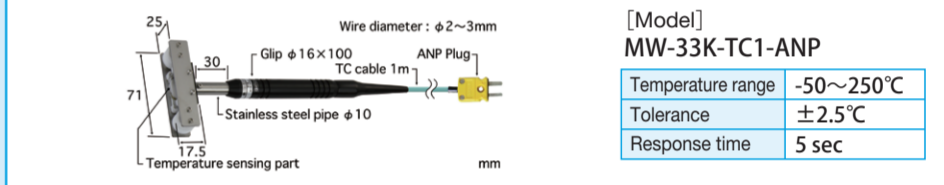
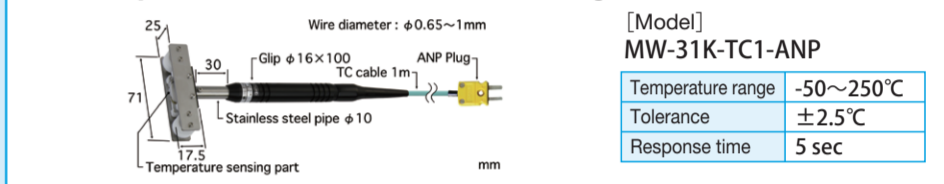


### Moving Wire Probes Model MW series

For contact measurement of running wire

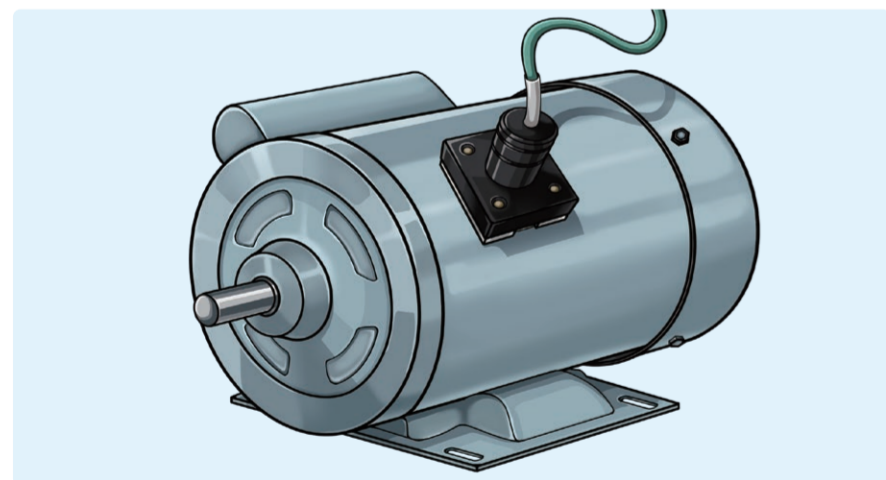


#### • Temperature measurement of running wire

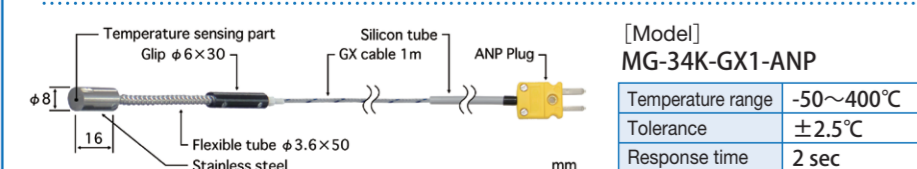
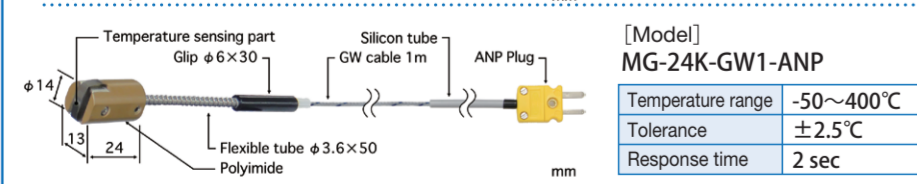
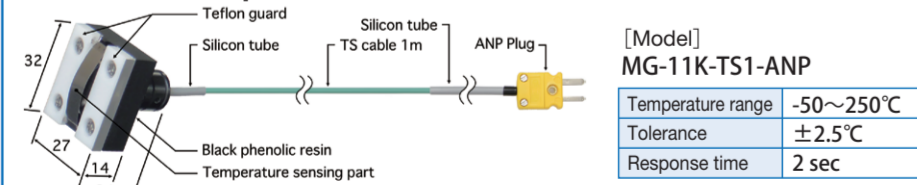


### Magnet Probes Model MG series

The probe can be supported and fixed with magnetic force.

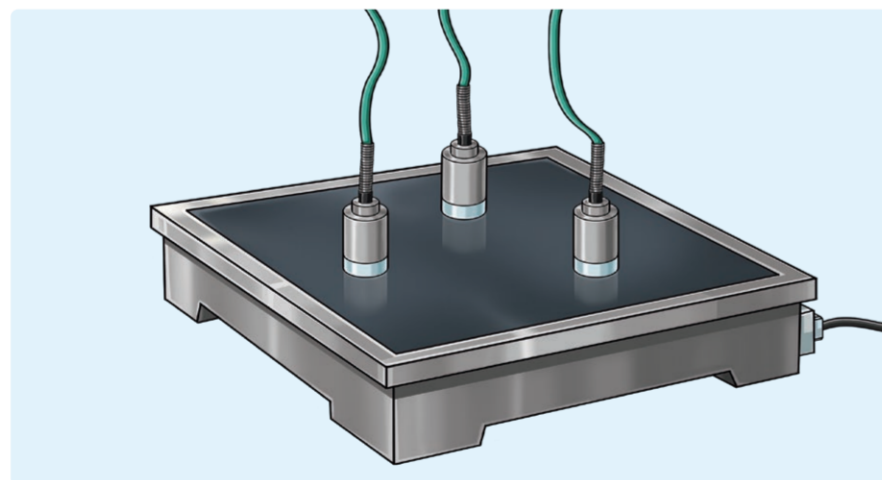


#### • Surface temperature measurement of motor

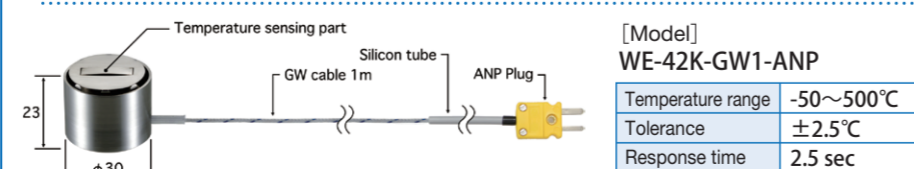
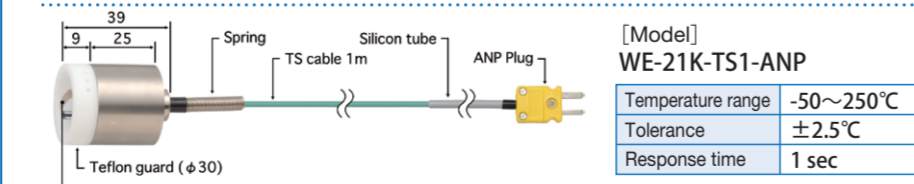
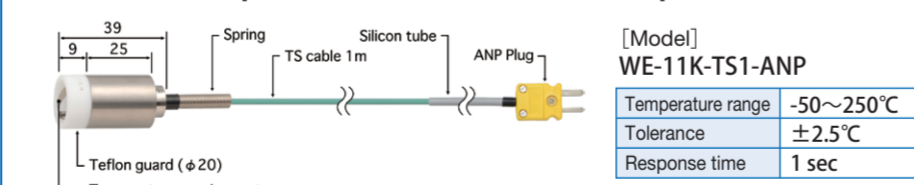


### Self Supporting Probes Model WE series

Just put the probe on the surface can be measured.



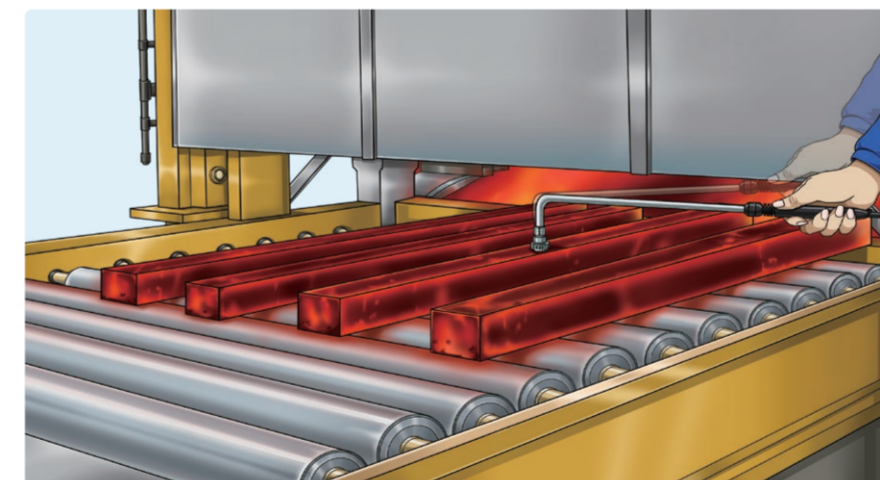
#### • Surface temperature measurement of hot plate etc.



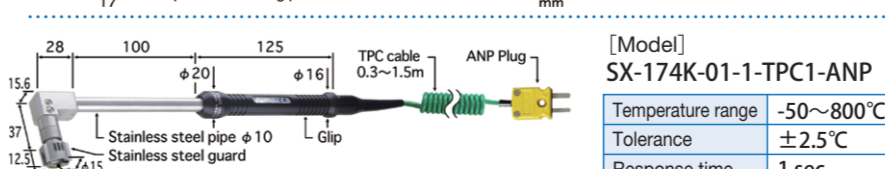
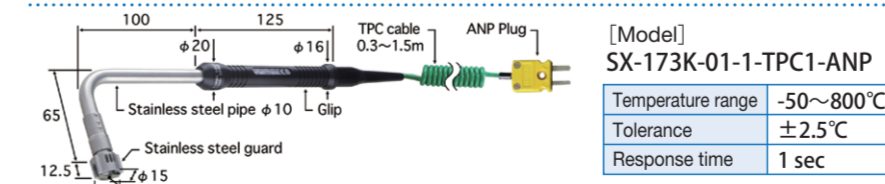
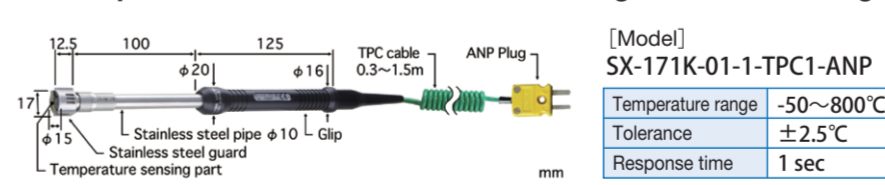
### High Superior Surface Probes Model SX series

With contact support function for reducing angle error

**NEW**

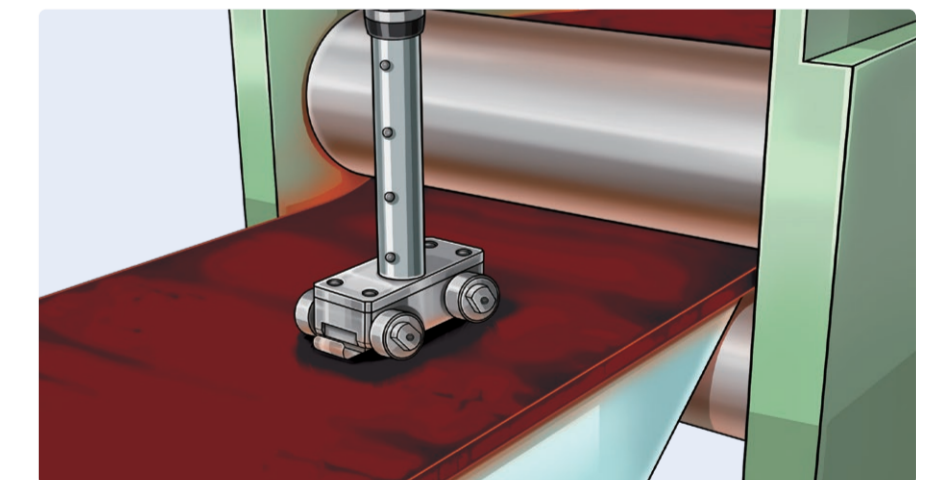


#### • Temperature measurement of billet during induction heating

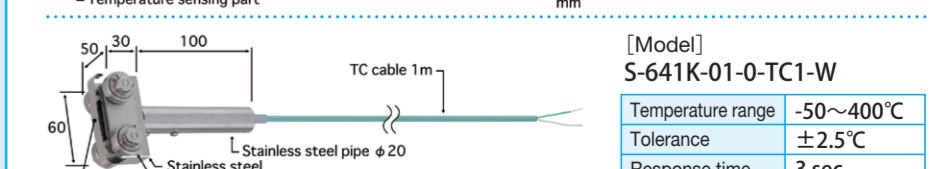
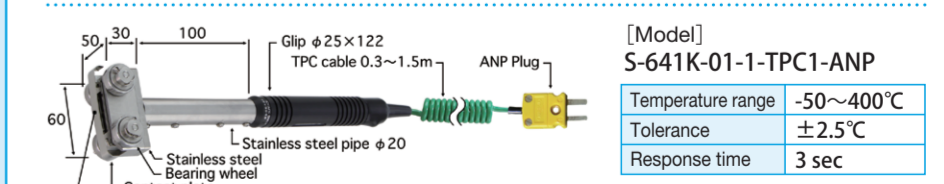
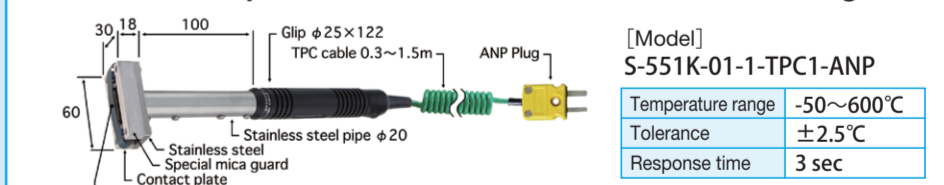


### High Superior Moving Surface Probes Model S series

High durability probe for moving surface at high temperature



#### • Surface temperature measurement of steel sheet rolling

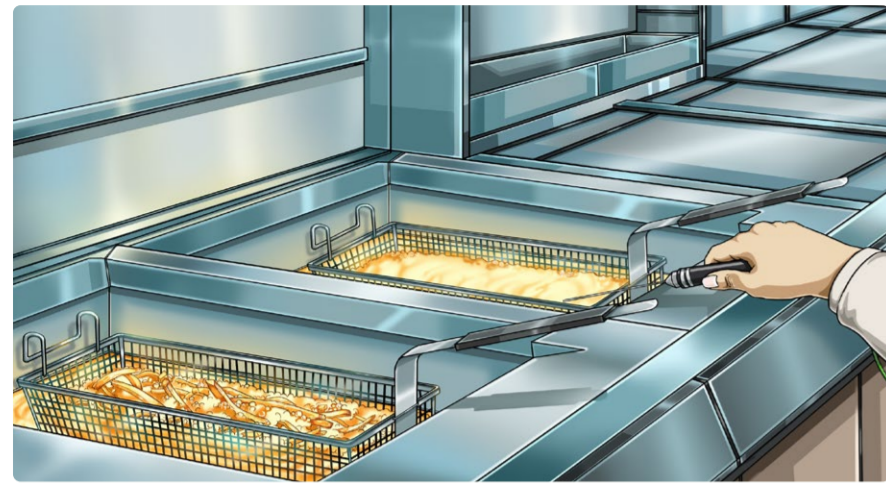




## Internal Probes

### General Internal Probes BS series

Speedy temperature management by high responsivity

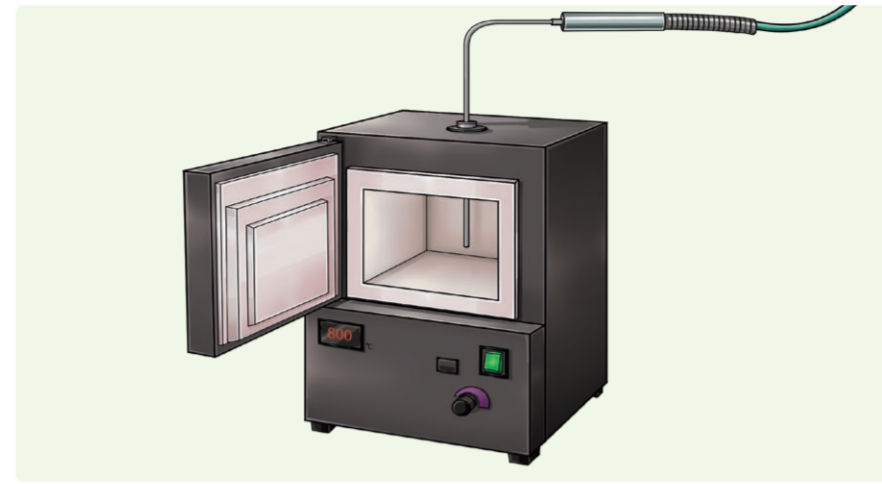


• Measure the temperature of the fryer

<p>Stainless steel pipe <math>\phi 0.9</math> Stainless steel sleeve <math>\phi 3</math> TC cable 1m ANP Plug Teflon tube Temperature sensing part : Cone-shaped</p>	<p>[Model] BS-91K-003-TS1-ANP</p> <p>Temperature range -200~300°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 0.5 sec</p>
<p>Temperature sensing part : Cone-shaped Stainless steel pipe <math>\phi 2.1</math> TC cable 1m ANP Plug <math>\phi 20</math> <math>\phi 16</math></p>	<p>[Model] BS-21K-010-TC1-ANP</p> <p>Temperature range -200~500°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 2.5 sec</p>
<p>Temperature sensing part : Cone-shaped Stainless steel pipe <math>\phi 3</math> TC cable 1m ANP Plug <math>\phi 20</math> <math>\phi 16</math></p>	<p>[Model] BS-31K-030-TC1-ANP</p> <p>Temperature range -200~500°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 3 sec</p>

### Bendable Wiry Probes Model SHEATH series

The probes can be bended on the spot.

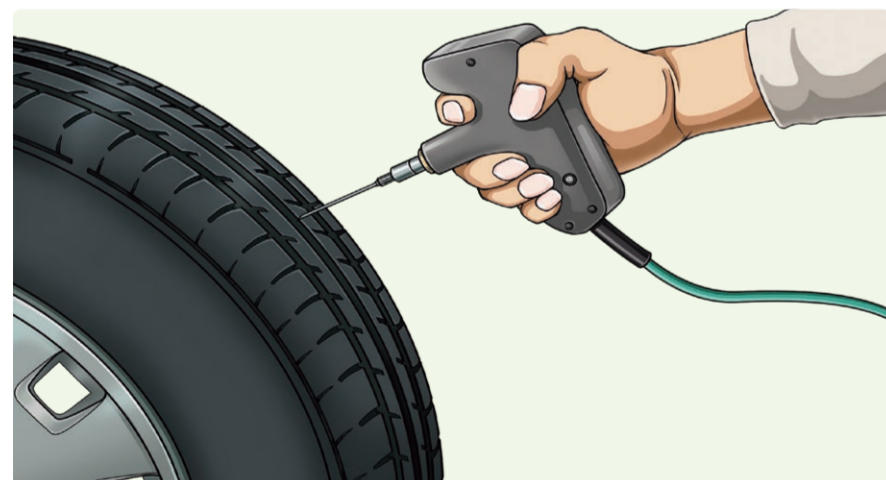


• Internal temperature of electric furnace etc.

<p>Sheath tube Diameter : <math>\phi 1.0</math> Material : SUS316 Grounded junction Stainless steel sleeve <math>\phi 10</math> Spring TC cable 1m ANP Plug</p>	<p>[Model] B 1.0-K-J1-M1-L100-TC1-ANP</p> <p>Temperature range -40~650°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 2 sec</p>
<p>Sheath tube Diameter : <math>\phi 3.2</math> Material : SUS316 Grounded junction Stainless steel sleeve <math>\phi 10</math> Spring TC cable 1m ANP Plug</p>	<p>[Model] B 3.2-K-J1-M1-L200-TC1-ANP</p> <p>Temperature range -40~750°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 5 sec</p>
<p>Sheath tube Diameter : <math>\phi 6.4</math> Material : Inconel Grounded junction Glip <math>\phi 20 \times 150</math> TC cable 1m ANP Plug</p>	<p>[Model] A 6.4-K-J1-M3-L300-TC1-ANP</p> <p>Temperature range -40~1000°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 15 sec</p>

### Needle Type Probes Model BT series

It is easy to insert to hard rubber.

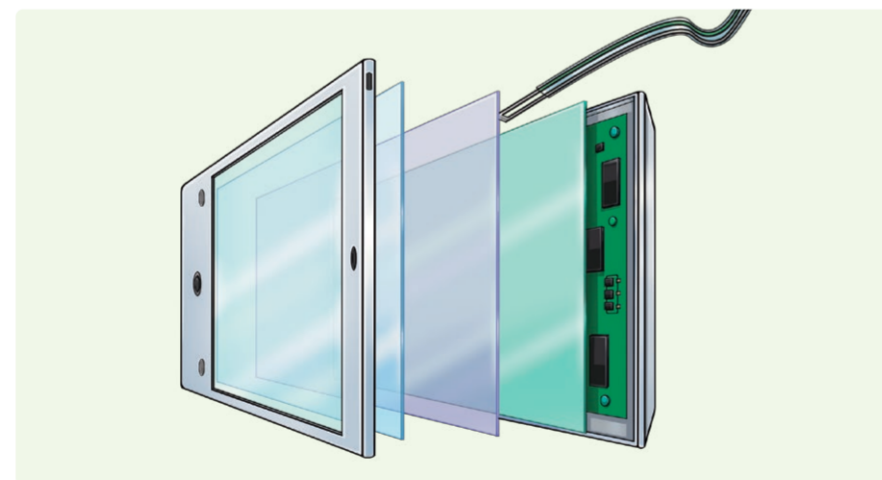


• Internal temperature measurement of rubber etc.

<p>Temperature sensing part : Cone-shaped Stainless steel pipe <math>\phi 1.5</math> Glip <math>\phi 12 \times 90</math> TC cable 1m ANP Plug</p>	<p>[Model] BT-22K-TC1-ANP</p> <p>Temperature range -200~300°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 1.5 sec</p>
<p>96 147 Glip TC cable 1m ANP Plug</p>	<p>[Model] BT-82K-TC1-ANP</p> <p>Temperature range -200~500°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 3 sec</p>
<p>Temperature sensing part : Cone-shaped Stainless steel pipe Glip TC cable 1m ANP Plug <math>\phi 5</math> <math>\phi 20</math> <math>\phi 16</math></p>	<p>[Model] BT-92K-TC1-ANP</p> <p>Temperature range -200~500°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 3 sec</p>

### Flat Leaf Probes Model ST series

The temperature sensing part is thin, so it can be pinched.



• Surface temperature of liquid crystal etc.

<p>Temperature sensing part Teflon coating Silicon tube TS cable 1m ANP Plug</p>	<p>[Model] ST-11K-010-TS1-ANP</p> <p>Temperature range -50~210°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 2 sec</p>
<p>Temperature sensing part Polyimide coating Silicon tube GW cable 1m ANP Plug</p>	<p>[Model] ST-13K-015-GW1-ANP</p> <p>Temperature range -50~400°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 2 sec</p>
<p>Temperature sensing part Teflon coating Silicon tube TS cable 1m ANP Plug</p>	<p>[Model] ST-31K-010-TS1-ANP</p> <p>Temperature range -50~210°C Tolerance <math>\pm 2.5^\circ\text{C}</math> Response time 2 sec</p>

## Thermometer

### Handheld Thermometer HD-1000 series

Easy to operate and durable



- High accuracy  $\pm 0.2^\circ\text{C}$  (at  $0^\circ\text{C}$ )
- Easy operation
- Waterproof specifications: IPX5

Model	Form	Waterproof specifications	Temperature range
Basic	HD-1150K	●	-200~1370°C
Standard	HD-1250K	●	-200~1370°C
High function	HD-1350K	—	-200~1370°C
LED display	HD-1450K	●	-200~1370°C
Memory	HD-1550K	—	-200~1370°C

\*Please refer to the catalog for details

### Compact Thermologger AM-8000 series

For recording temperature distribution



- It can be set Interval time from 1 sec to 99 minutes and 59 sec
- The interface is USB or RS-232C
- Data can be converted to CSV file

Form	Number of inputs	Temperature	Voltage	USB interface
AM-8000K	6ch	●	—	●
AM-8050K	6ch	●	●	●
AM-8010K	12ch	●	—	●
AM-8060K	12ch	●	●	●
AM-8061K (High Speed)	12ch	●	●	●

\*Please refer to the catalog for details

### Fiber Optic Thermometer FL series

Capable of measurements in environments subject to high-frequency waves or high voltage.



- Even in environments where metallic probes such as thermocouple can not be measured, it can be measured without being affected by noise.
- Measurement range is wide. (-195 to  $450^\circ\text{C}$ )
- Measurement with high accuracy of  $\pm 0.5^\circ\text{C}$  by the calibration function

\*Probe is sold separately.

\*Please refer to the catalog for details

### Temperature Calibration System ACSII series

You can check the surface temperature probe at your company.



- High accuracy Calibration system.
- Temperature of this system is very stable.

Form	Calibration temperature range	Surface temperature calibration	Internal temperature calibration
ACS II -1000	Rt.~300°C	●	—
ACS II -2000	Rt.~500°C	●	—
ACS II -3000	Rt.~500°C	—	●
ACS II -4000	Rt.~500°C	●	●

\*Please refer to the catalog for details

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