

RTD TYPE



1 SH005A

• Immersion Probe, RTD

RTD probes for liquid or fluid measurement. Class "A" or "B" Sensor selectable.

2 PT004

• General Air Probe, RTD

Miniature, fast response RTD probe for air flow or gas measurements. Class "A" or "B" Sensor selectable.

3 SF010A

• Air Probe, RTD

Drilled end exposes bead RTD probes for air flow measurement. Class "A" or "B" Sensor selectable.

4 SF016A

• Penetration Probe, Cone type, RTD

RTD conical tip designed for penetration into semi-frozen objects.

5 PT005

• Proximity Surface Probe, RTD

Miniature RTD probe for measure surface temperatures of small target.

1 PT003

• General Internal Probe, RTD

General internal tip, RTD probe; Class "A" or "B" Sensor selectable.

2 PT002

• General Internal Probe, RTD

General internal tip, RTD probe; Class "A" or "B" Sensor selectable. (DIN Mini Plug connector)

3 PT001

• General Internal Probe, RTD

General internal tip, RTD probe; Class "A" or "B" Sensor selectable. (3 pin Mini Plug connector)

CUSTOM MADE by INQUIRY



1 PT023

• Thermo Leads

Teflon beaded wire with miniature connector and colored by Thermocouple Type K, J or others.

2 TRANSITION JOINT PROBES

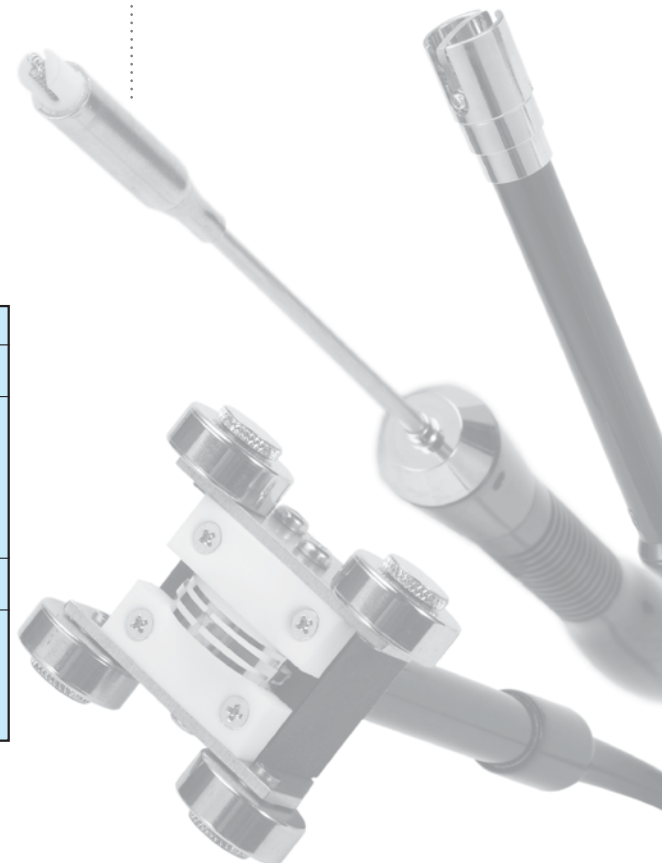
• Rugged Transition Joint Probes, with or without connector

ALL Custom Made, Sheath or SUS Tube selectable.

Selection Guide :

Thermocouple	SHAFT	TYPE	MATERIAL	DIAMETER
	Sheath	K, E, J, T, N	SUS316, Inconel	1.0, 1.6, 2.4, 3.2, 4.8, 6.4, 8.0 mm
RTD	Tube	K, E, J, T, B, R, S	SUS 304, 316, 310 Ceramic Tube (Alumina / Al ₂ O ₃)	SUS -- 3.2, 4.8, 5.0, 6.0, 6.4, 8.0, 9.5, 10, 12, 12.7, 15, 15.9, 20.4, 21.7 mm Ceramic Tube -- 6.0, 8.0, 10, 12, 15, 17 mm
	Sheath		SUS316	3.2, 4.8, 6.4, 8.0mm
RTD	Tube	JIS and DIN	SUS304, 316 Titanium (Ti) Tube	SUS -- 3.2, 4.8, 5.0, 6.0, 6.35, 8.0, 9.5, 10, 12, 12.7, 15, 15.9, 20.4, 21.4 mm Ti Tube -- 6.4, 12.7 mm

<NOTE> All specifications of components, including Sensor Class may be revised, modified, or upgraded as the customized products based on the special requirement or specific application.



Temperature Probes

Built-to-Quality + Built-to-Inquiry



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Temperature Probes Built-to-Quality + Built-to-Inquiry

Bontron offers a wide range of quality hand held Thermocouple or RTD Temperature Probes, covers a broad spectrum of application requirements across an expansive temperature range. A complementary selection of rugged, high accuracy temperature sensors are available for the measurement of surface, moving surfaces, fluid, food, air, gas...etc. at specific temperatures.

All of the extensive range of Bontron standard probes can be developed or modified by customer requests, including dimension of sensors or probes, lead length, stem length, or any material/configuration change or redesign.

THERMOCOUPLE SURFACE TYPE

A SF005BA

• Extension Roller Surface Probe, Right-angle, SUS Rollers

Right-angle extended roller-surface probes use on moving or rotating, smooth surfaces. Class "1" or "2" Sensor selectable.

B SF005AB

• Roller Surface Probe, Teflon Rollers

Teflon roller-surface probes use on moving or rotating, smooth surfaces. Class "1" or "2" Sensor selectable.

C SF005BB

• Roller Surface Probe, SUS Rollers

SUS roller-surface probes use on moving or rotating, smooth surfaces. Class "1" or "2" Sensor selectable.

D SF005C

• Roller Surface Probe, Bearing Rollers

Bearing roller-surface probe for measure smooth plastic or steel piping and moving or rotating surfaces. Class "1" or "2" Sensor selectable.

E SF005D

• Roller Surface Probe, Teflon Rollers

Miniature Teflon rollers probe for measure moving or rotating surfaces in food processing. Class "1" or "2" Sensor selectable.

F SF008

• Moving Surface Probe

Ideal for measurements of moving or stationary flat metal and plastic surfaces. Class "1" or "2" Sensor selectable.

G SF006

• Magnetic Surface Probe, Handler type

Built-in magnets allow probes to be attached to the measuring targets.

H SF006A

• Magnetic Surface Probe, Head type (3 slice)

Designed for stationary surfaces required attachment with magnet. Customer Replaceable Element included.

I SF009

• General Stationary Surface Probe, with Spring

Right-angle Ceramic tip probe features a loaded spring thermocouple.

J SF003B

• General Stationary Surface Probe

Right-angle extend reach version Surface Probe. Class "1" or "2" Sensor selectable.

K SF007

• General Stationary Surface Probe, with Spring

Ceramic tip probe features a loaded spring to ensure consistent readings.

L SF002A

• General Stationary Surface Probe

Extend reach version Surface Probe for use in oven and furnaces. Class "1" or "2" Sensor selectable.

M SF001D

• Proximity Surface Probe (1 slice), Superior Class

Miniature, Class "1" Sensor probe for measure surface temperatures of small electronic parts.

N SF001C

• Proximity Surface Probe (3 slice)

Miniature, fast response probe for measure surface temperatures of small electronic parts. Class "1" or "2" Sensor selectable.



THERMOCOUPLE INTERNAL TYPE

1 SF016

• Penetration Probe, Cone type Superior Class

Conical tip designed Class "1" Sensor probes for penetration into semi-frozen objects.

2 SF015

• Penetration Probe, Widened Flat type

Flat tip design, ideal for measuring smooth and flat material.

3 SF014

• Penetration Probe, Needle type Superior Class

Pointed tip design Class "1" Sensor probes for measure soft and semi-frozen material, molten plastics and rubbers.

4 SF013A

• Immersion Probe, Superior Class

Class "1" Sensor immersion probes for liquid or fluid measurement.

5 SF011

• Air Probe

Miniature, fast response for air flow or gas measurements.

6 SF010

• Air Probe

Drilled end exposes bead for air flow measurements.



1 SHJ001

• General Internal Probe, Thermocouple, Type J

General internal tip, Thermocouple type J probe.

2 SH005-1

• General Internal Probe, Thermocouple, Type K

General internal tip, Thermocouple type K probe.

3 SH005

• Immersion Probe

General internal tip, fast-response Thermocouple probe (Type K, J or T selectable) for fluid measurement.

4 SH006

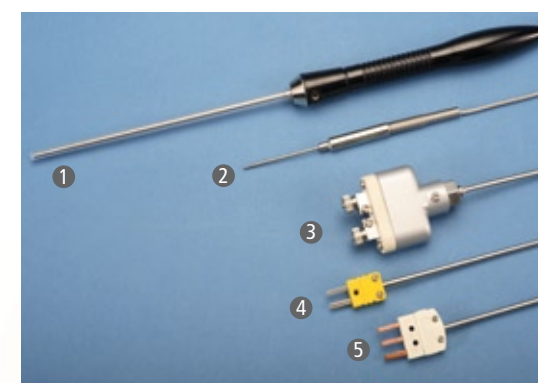
• Penetration Probe, Needle type

Thermocouple NEEDLE tip designed for penetration into semi-frozen objects (Type K, J or T selectable)

5 SH007

• Penetration Probe, Chisel type

Thermocouple Chisel tip designed for penetration into semi-frozen objects (Type K, J or T selectable)



THERMOCOUPLE/RTD QUICK CONNECT/SPECIAL TYPE

1 SH009

• Teflon Coated Probe, Acid-proof Thermocouple

To measure the temperature of sulfuric, hydrochloric, nitric, chromic acids, and caustic compounds in industrial and laboratory environments.

2 SH001

• Transition Joint Probe

Sheath or SUS Tube selectable for thermocouple

3 SH003

• Quick Connect Probe, T connector

Probe with T connector ; TS or TL connector selectable

4 SH002

• Quick Connect Probe

General purpose probe with miniature connector.

5 PT006

• Quick Connect Probe, RTD

General purpose probe with miniature and Mating connector, Sheath or SUS Tube selectable