

### HI 766Px Series, Probes with Detachable Handle

The K-type thermocouple temperature probes, HI 766Px series, to be used with thermocouple thermometers, are ideal for measuring samples at very high temperatures, for example, in industrial applications.

All probes are made with stainless steel for longest life and easier cleaning. The HI 766Px series includes a wide range of probes for measurement of liquids, air, gas, penetration in semisolids, as well as curved, planed or hard-to-reach surfaces. In addition, models are available with interchangeable or fixed handles for maximum versatility.

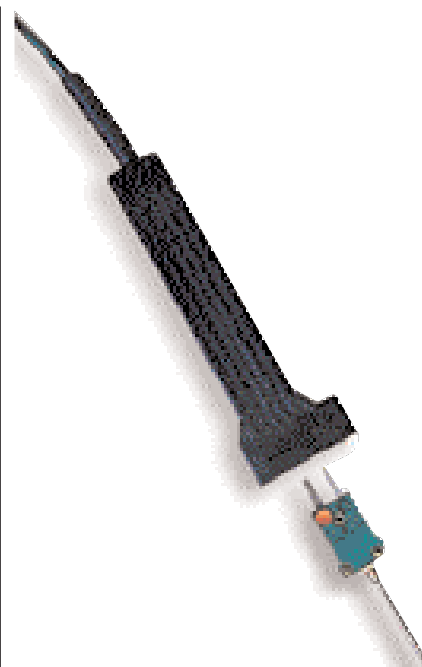
All available models are presented in these pages.

### HI 766HD, Probe Interchangeable Handle

A rugged, PVC handle with a 1 meter (3.3') cable. It is provided with a female connector, which allows the connection of any HI 766Px probe.

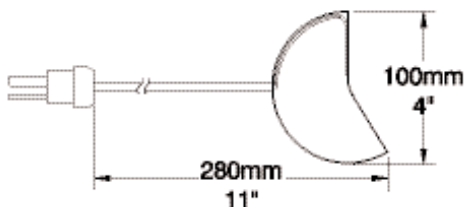
### HI 766EX, Extension Cable

Coiled cable which extends by 1 meter (3.3') the probe cable, with two connectors at the two ends (1 male and 1 female).



### HI 766PA, Roller Surface Probe

This probe is designed to measure the temperature of convex surfaces.

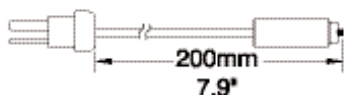


#### HI 766PA

Application	convex surfaces, moving rollers
Max Temperature	320°C (600°F)
Response Time (90% of final value)	7 seconds
Probe Length	280 mm (11")
Probe	stainless steel

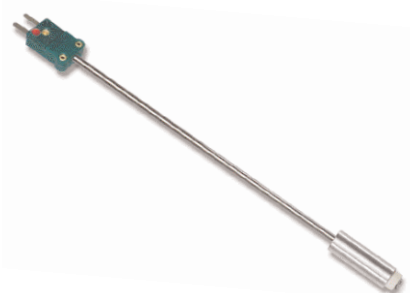
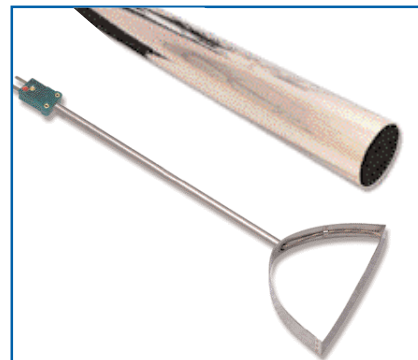
### HI 766PB, Surface Probe

Temperature probe for measurements on surfaces.



#### HI 766PB

Application	hot solids, furnaces, molds
Max Temperature	650°C (1200°F)
Response Time (90% of final value)	8 seconds
Probe Dimensions	L 200 mm x dia 16 mm (7.9 x 0.6")
Probe	stainless steel

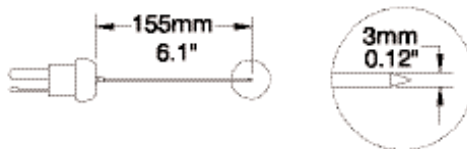


## HI 766 K-Type Thermocouple Probes



### HI 766PC, Penetration Probe

K-type thermocouple probe with sharp tip for penetration of semi solid samples.



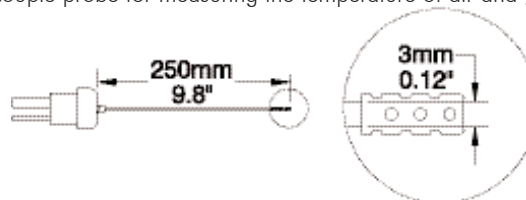
#### HI 766PC

Application	semi solids, meat, rubber
Max Temperature	900°C (1650°F)
Response Time (90% of final value)	15 seconds
Probe Dimensions	L 155 mm x dia 3 mm (6.1 x 0.12")
Probe	stainless steel



### HI 766PD, Probe for Air and Gas

K-type thermocouple probe for measuring the temperature of air and gases.



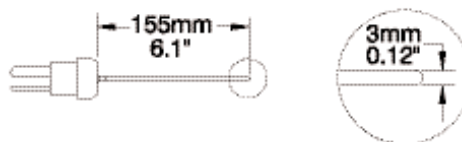
#### HI 766PD

Application	air, gases
Max Temperature	300°C (570°F)
Response Time (90% of final value)	20 seconds
Probe Dimensions	L 250 mm x dia 3 mm (9.8 x 0.12")
Probe	stainless steel



### HI 766PE1, General Purpose Probe

General purpose, penetration probe.



#### HI 766PE1

Application	liquids, air, gases
Max Temperature	900°C (1650°F)
Response Time (90% of final value)	6 seconds
Probe Dimensions	L 155 mm x dia 3 mm (6.1 x 0.12")
Probe	stainless steel



### HI 766PE2, General Purpose Probe

General purpose, penetration probe.



#### HI 766PE2

Application	liquids, air, gases
Max Temperature	900°C (1650°F)
Response Time (90% of final value)	6 seconds
Probe Dimensions	L 200 mm x dia 5 mm (7.8 x 0.2")
Probe	stainless steel

## HI 766 K-Type Thermocouple Probes with Integral Handle, 1 Meter (3.3') Cable and Mini-connector

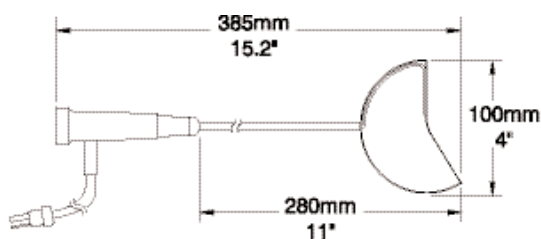


The HI 766 stainless steel probes with fixed handle, are available with different shapes to facilitate temperature measurements of various surfaces and materials.

In these pages, the whole range is presented, as well as the specific field of application of each model.

### HI 766A, Roller Surface Probe

This probe is designed to measure the temperature of convex surfaces.

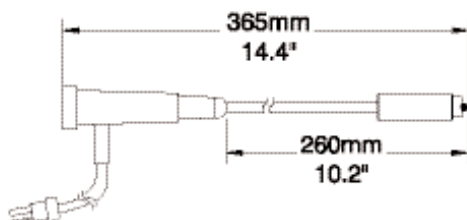


#### HI 766A

Application	convex surfaces, moving rollers
Max Temperature	320°C (600°F)
Response Time (90% of final value)	7 seconds
Probe Length	280 mm (11')
Probe	stainless steel

### HI 766B, Surface Probe

Temperature probe for measurements on surfaces.



#### HI 766B

Application	hot solids, furnaces, molds
Max Temperature	650°C (1200°F)
Response Time (90% of final value)	8 seconds
Probe Dimensions	L 200 mm x dia 16 mm (7.9 x 0.6")
Probe	stainless steel

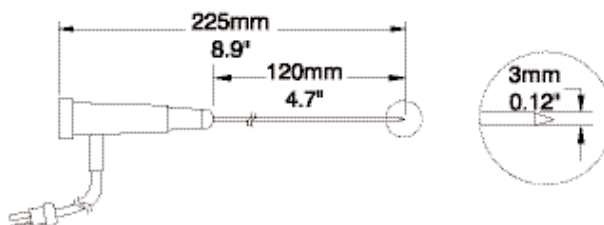


## HI 766 K-Type Thermocouple Probes with Integral Handle, 1 Meter (3.3') Cable and Mini-connector



### HI 766C, Penetration Probe

K-type thermocouple probe with sharp tip for penetration of semi solid samples.



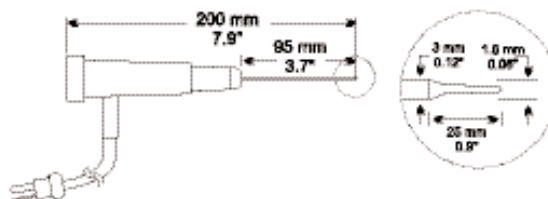
#### HI 766C

Application	semi solids, meat, rubber
Max Temperature	900°C (1650°F)
Response Time (90% of final value)	15 seconds
Probe Dimensions	L 155 mm x dia 3 mm (6.1 x 0.12")
Probe	stainless steel



### HI 766C1, Ultra-Fast Penetration Probe

Penetration probe with fast response time



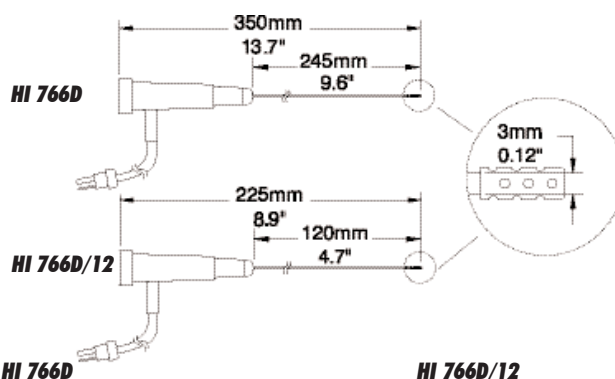
#### HI 766C1

Application	semi solids, food
Max Temperature	300°C (570°F)
Response Time (90% of final value)	4 seconds
Probe Dimensions	L 95 mm x dia 1.6 mm (3.7 x 0.06")
Probe	stainless steel



### HI 766D and HI 766D/12, Probes for Air and Gas

K-type thermocouple probe for measuring the temperature of air and gases.

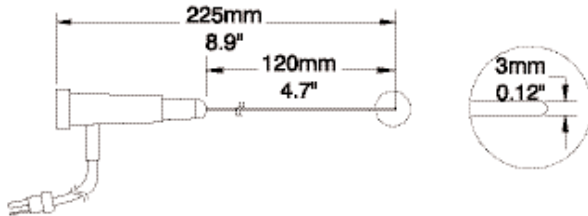


Application	air, gases	
Max Temperature	300°C (570°F)	
Response Time (90% of final value)	20 seconds	
Dimensions	L 245 mm x dia 3 mm (9.6 x 0.12")	L 120 mm x dia 3 mm (4.7 x 0.12")
Probe	stainless steel	

## HI 766 K-Type Thermocouple Probes with Integral Handle, 1 Meter (3.3') Cable and Mini-connector

### HI 766E1, General Purpose Probe

General purpose, penetration probe.

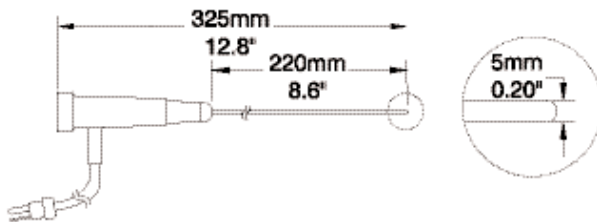


#### HI 766E1

Application	liquids, air, gases
Max Temperature	900°C (1650°F)
Response Time (90% of final value)	6 seconds
Probe Dimensions	L 120 mm x dia 3 mm (4.7 x 0.12")
Probe	stainless steel

### HI 766E2, General Purpose Probe

General purpose, penetration probe

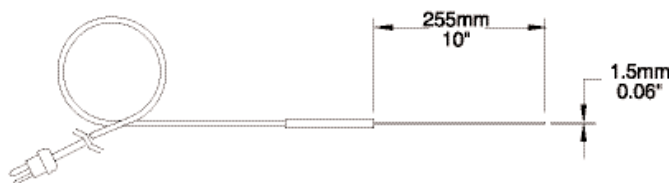


#### HI 766E2

Application	liquids, air, gases
Max Temperature	900°C (1650°F)
Response Time (90% of final value)	6 seconds
Probe Dimensions	L 220 mm x dia 5 mm (8.5 x 0.2")
Probe	stainless steel

### HI 766F, High Temperature Probe

Probe with flexible sheath and without handle, designed to measure high temperatures.



#### HI 766F

Application	high temperature
Max Temperature	1100°C (2000°F)
Response Time (90% of final value)	4 seconds
Probe Dimensions	L 255 mm x dia 1.5 mm (10 x 0.06")
Probe	stainless steel AISI 316



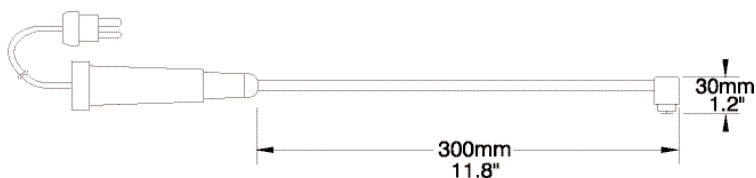
## HI 766 K-Type Thermocouple Probes for Specific Applications



These probes are designed to ensure optimal contact with surfaces of different shapes and dimensions. When using these probes, the handle temperature must never exceed 150°C (302°F), to avoid possible damage to the probe.

### HI 766B1, 90° Angle Surface Probe

Probe for measuring the temperature of 90° angle surfaces.

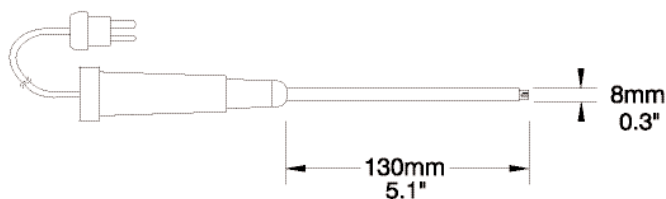


#### HI 766B1

Application	hard-to-reach surfaces
Max Temperature	450°C (840°F)
Response Time (63.2% F.S.)	8 seconds
Probe Length	300 mm (11.8")
Probe	stainless steel
Sensor	spring-loaded

### HI 766B2, Surface Probe

Probe for measuring the temperature of round surfaces.



#### HI 766B2

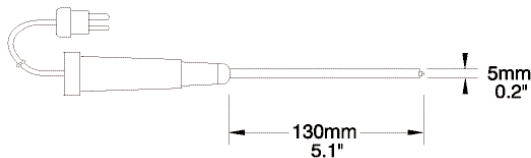
Application	solids, furnaces, molds
Max Temperature	900°C (1650°F)
Response Time (63.2% F.S.)	3 seconds
Probe Dimensions	L 130 mm x dia 8 mm (5.1 x 0.3")
Probe	stainless steel
Sensor	spring-loaded



## HI 766 K-Type Thermocouple Probes for Specific Applications

### HI 766B3, Small Surface Probe

Probe for measuring the temperature of small surfaces.

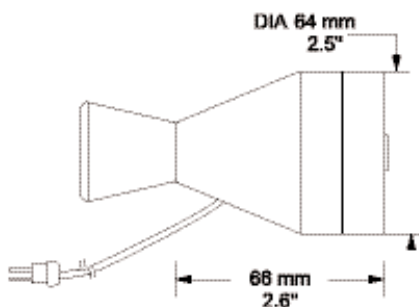


#### HI 766B3

Application	small surfaces
Max Temperature	200°C (390°F)
Response Time (63.2% F.S.)	6 seconds
Probe Dimensions	L 130 mm x dia 5 mm (5.1 x 0.2")
Probe	stainless steel, insulated tube
Sensor	spring-loaded

### HI 766B4, Grill Surface Probe with Jacketed Cable

Probe for measuring the temperature of hot grill surfaces.

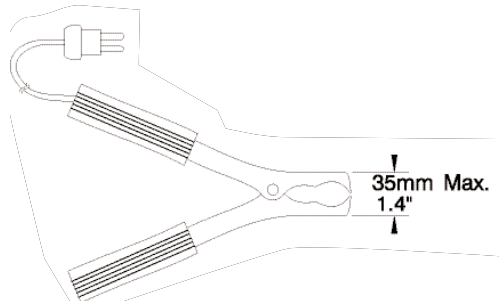


#### HI 766B4

Application	hot grills for food cooking
Max Temperature	250°C (482°F)
Response Time (63.2% F.S.)	6 seconds
Probe Dimensions	L 66 mm x dia 64 mm (2.6 x 2.5")
Sensor	Teflon® contact surface with replaceable stainless steel sensor (HI 766B4S)
Cable	70 cm (27.6") length, protected with stainless steel jacket

### HI 766TV1, Pipe Clamp Probe

Probe for measuring the temperature of pipes and tubes.



#### HI 766TV1

Application	pipes, tubes
Max Temperature	200°C (390°F)
Response Time (63.2% F.S.)	8 seconds
Clamp Opening Diameter	max 35 mm (1.4")
Sensor	housed inside the clamp





## HI 766 K-Type Thermocouple Probes for Specific Applications



### HI 766F1, Wire Temperature Probe

Wire probe, designed to access hard-to-reach places. Probe does not incorporate a handle.



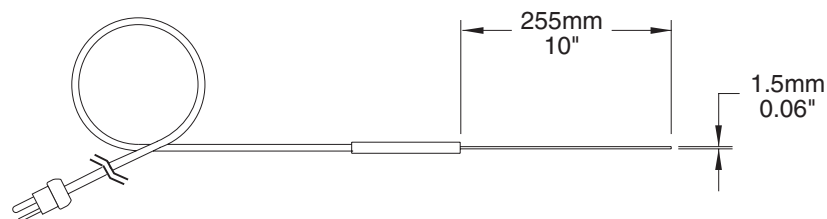
#### HI 766F1

Application	hard to reach areas
Max Temperature	480°C (900°F)
Response Time (63.2% F.S.)	1 second
Wire Length	1 m (3.3')
Probe Dimensions	dia 2 mm (0.08")
Sensor	exposed wires



### HI 766Z, Wire Temperature Probe

Wire probe, designed to measure temperature inside ovens.



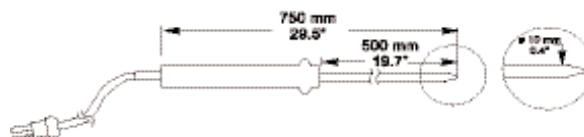
#### HI 766Z

Application	ovens
Max Temperature	1100°C (2000°F)
Response Time (90% of final value)	4 seconds
Wire Length	1.7 m (5.6')
Probe Dimensions	L 255 mm x dia 1.5 mm (10 x 0.06")
Sensor	stainless steel



### HI 766TR1, Penetration Probe

K-type thermocouple probe with sharp tip for penetration of semi solid samples.



#### HI 766TR1

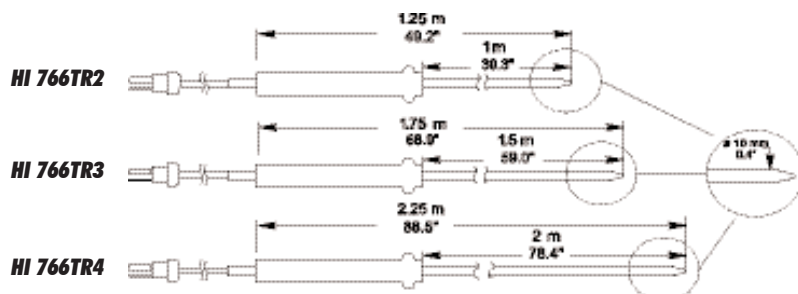
Application	semi solids, liquids
Max Temperature	250°C (482°F)
Response Time (90% of final value)	10 seconds
Probe Dimensions	L 500 mm x dia 10 mm (19.7 x 0.4")
Sensor	stainless steel



## HI 766 K-Type Thermocouple Probes for Specific Applications

### HI 766TR2, HI 766TR3, HI 766TR4, Penetration Probes

K-type thermocouple probes with sharp tip for penetration of semi solid samples.



#### HI 766TR2, HI 766TR3, HI 766TR4

Application	semisolids, liquids
Max Temperature	250°C (482°F)
Response Time (90% of final value)	10 seconds
Probe Length	HI 766TR2: 1 m / HI 766TR3: 1.5 m / HI 766TR4: 2 m
Probe	stainless steel

### HI 766 Series of K-Type Temperature Probes

HI 766A	Roller surface probe with integral handle and 1 m (3.3') cable	HI 766F	High temperature probe with flexible sheath
HI 766B	Surface probe with integral handle and 1 m (3.3') cable	HI 766F1	Wire probe, 1 m (3.3')
HI 766B1	90° angle surface probe with integral handle and 1 m (3.3') cable	HI 766PA	Roller surface probe without handle
HI 766B2	Surface probe with integral handle and 1 m (3.3') cable	HI 766PB	Surface probe without handle
HI 766B3	Small surface probe with integral handle and 1 m (3.3') cable	HI 766PC	Penetration probe without handle
HI 766B4	Grill surface probe with 1 m (3.3') cable	HI 766PD	Air/gas probe without handle
HI 766C	Penetration probe with integral handle and 1 m (3.3') cable	HI 766PE1	General purpose probe without handle; probe length of 15.5 cm
HI 766C1	Ultra-fast penetration probe with integral handle and 1 m (3.3') cable	HI 766PE2	General purpose probe without handle; probe length of 20 cm
HI 766D	Air/gas probe with integral handle and 1 m (3.3') cable; probe length of 24.5 cm	HI 766TR1	Penetration probe with integral handle; probe length of 0.50 m
HI 766D/12	Air/gas probe with integral handle and 1 m (3.3') cable; probe length of 12 cm	HI 766TR2	Penetration probe with integral handle; probe length of 1 m
HI 766E1	General purpose probe with integral handle and 1 m (3.3') cable; length of 12 cm	HI 766TR3	Penetration probe with integral handle; probe length of 1.5 m
HI 766E2	General purpose probe with integral handle and 1 m (3.3') cable; length of 22 cm	HI 766TR4	Penetration probe with integral handle; probe length of 2 m
HI 766EX	Coiled extension cable to add 1 m length to the probe cable; provided with thermocouple connectors (a male at one end and a female at the other). Can be used with any K-type thermocouple thermometer.	HI 766TV1	Pipe clamp probe with 1 m (3.3') cable
		HI 766Z	Wire probe for ovens

