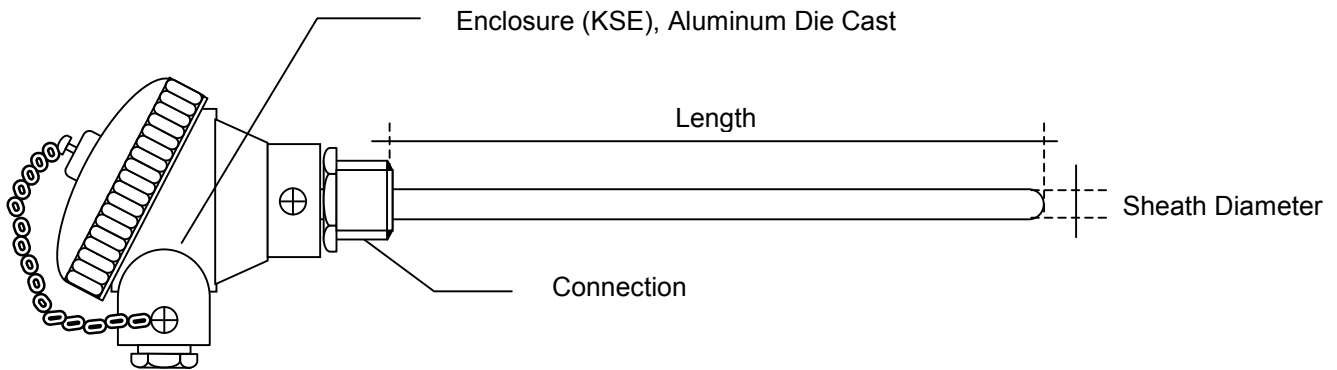


Enclosure (KSE) Mineral Insulated Thermocouple Sensor

HoTemp – HT1 thermocouples are very simple and durable temperature sensors. They are comprised of two different materials joined at one end generate voltage in proportion to the heat it is measuring or monitoring. Class 1 standard Type (K, J, T, & N) for measurement of a wide range of temperatures from -200°C ~ 1100°C. Thermocouples are most suitable for measuring over a large temperature range, up to 1800 K. Variety of thermocouples design are available, applicable for different industrial.



ORDERING INFORMATION

HT1 **X** **X** **XXX** **X** **X**

DESIGN TYPE

Enclosure (KSE), Mineral Insulated Thermocouple Sensor

THERMOCOUPLE CALIBRATION TYPE

K – Single (Chromel/Alumel)	T – Single (Copper/Constantan)
KK – Dual (Chromel/Alumel)	TT – Dual (Copper/Constantan)
J – Single (Iron/Constantan)	N – Single (Nicrosil/Nisil)
JJ – Dual (Iron/Constantan)	NN – Dual (Nicrosil/Nisil)

SHEATH DIAMETER

1	6.0	6	12.0
2	6.35	7	15.0
3	8.0	8	18.0
4	9.5	9	20.0
5	10	10	Others

SHEATH LENGTH

050	150	250	Others
100	200	300	

SHEATH MATERIAL

1	SUS304	3	SUS321	5	Incoloy 800	7	Inconel 600
2	SUS316	4	SUS310	6	Incoloy 825	8	Others

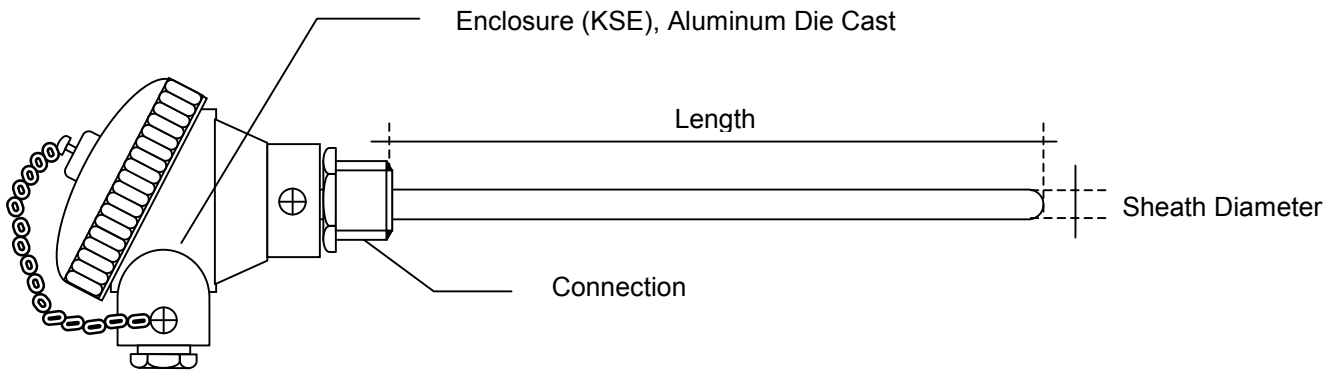
CONNECTION SIZE

1	1/4" Bsp	3	1/2" Bsp	5	1" Bsp
2	3/8" Bsp	4	3/4" Bsp	6	Others

For other specification, please contact our sale representative

Enclosure (KSE) Mineral Insulated RTD Sensor

HoTTemp – HT1 (PT-50, PT-100, PT-500, PT-1000) are used to measure temperature by correlating the resistance of the element with temperature. Most RTD elements consist of a length of fine-coiled Platinum wire wrapped around a ceramic core. The element is usually quite fragile, so it is often placed inside a sheathed probe to protect it. The material has a predictable change in resistance as the temperature changes; it is this predictable change that is used to determine temperature. With measurement range from $-200^{\circ}\text{C} \sim 850^{\circ}\text{C}$. RTD are most suitable for measuring various applications like Marine and other industrials.



ORDERING INFORMATION

HT1 **X** **X** **XXX** **X** **X**

DESIGN TYPE

Enclosure (KSE), Mineral Insulated Thermocouple Sensor

THERMOCOUPLE CALIBRATION TYPE

PT05 – PT50Ω	PT50 – PT500Ω
PT01 – PT100Ω	PT10 – PT1000Ω

SHEATH DIAMETER

1	6.0	6	12.0
2	6.35	7	15.0
3	8.0	8	18.0
4	9.5	9	20.0
5	10	10	Others

SHEATH LENGTH

050	150	250	Others
100	200	300	

SHEATH MATERIAL

1	SUS304	3	SUS321	5	Incoloy 800	7	Inconel 600
2	SUS316	4	SUS310	6	Incoloy 825	8	Others

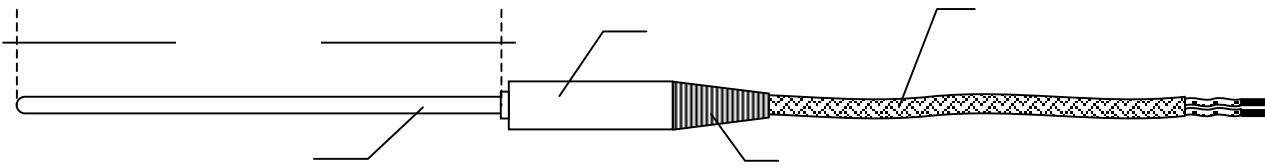
CONNECTION SIZE

1	1/4" Bsp	3	1/2" Bsp	5	1" Bsp
2	3/8" Bsp	4	3/4" Bsp	6	Others

For other specification, please contact our sale representative

Mineral Insulated Metal Sheath Probe, With Extension Cable

HoTTemp - HTSP1 M.I. metal type sensors are features for chemical resistance, robust “pistol-grip” ergonomic design and a ruggedized penetration sheath to reduce user fatigue, and increase durability. Design complete with stainless steel braided extension cable, M.I. holder & spring assembly.



ORDERING INFORMATION

DESIGN TYPE

Mineral Insulated Metal Sheath Probe Sensor With Extension Cable

THERMOCOUPLE CALIBRATION TYPE

K – Single (Chromel/Alumel)	T – Single (Copper/Constantan)
KK – Dual (Chromel/Alumel)	TT – Dual (Copper/Constantan)
J – Single (Iron/Constantan)	N – Single (Nicrosil/Nisil)
JJ – Dual (Iron/Constantan)	NN – Dual (Nicrosil/Nisil)
K – Single (Chromel/Alumel)	T – Single (Copper/Constantan)
KK – Dual (Chromel/Alumel)	TT – Dual (Copper/Constantan)
PT05 – PT50Ω	PT50 – PT500Ω
PT01 – PT100Ω	PT10 – PT1000Ω

SHEATH LENGTH (mm)

050	150	250	Others
100	200	300	

SHEATH MATERIAL

1	SUS304	3	SUS321	5	Incoloy 800	7	Inconel 600	
2	SUS316	4	SUS310	6	Incoloy 825	8	Others	

SHEATH DIAMETER

1	1.0	6	3.0	11	6.0
2	1.5	7	3.2	12	6.35
3	1.6	8	4.0	13	8.0
4	2.0	9	4.5	14	Others
5	2.3	10	4.8		

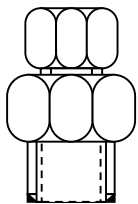
HOT JUNCTION

1	Grounded	2	Ungrounded	3	OTHERS	
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EXTENSION CABLE TYPE (ANSI / IEC / JIS COLOUR) and Length (Mtr)

TE/TE	(Teflon / Teflon)	1M	1 mtr
FG/FG	(Fiberglass / Fiberglass)	2M	2 mtr
PVC/PVC	(PVC / PVC)	3M	3 mtr
SIL/SIL	(Silicon / Silicon)	5M	5 mtr
Option	SSOB (Stainless Braided)	OTHERS	

For other specification, please contact our sale representative



OPTION COMPRESSION FITTING

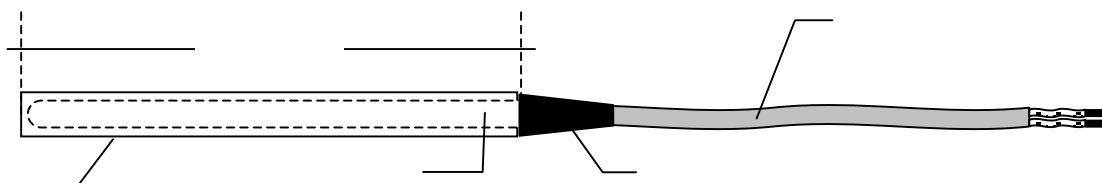
1/8"	3/8"	3/4"	
1/4"	1/2"	Others	

For other specification, please contact our sale representative**

SP1 X XXX X X X XM

Teflon Coated Metal Sheath Sensor with Extension Cable

HoTTemp – HTSP2 M.I. probe type sensors are features of Teflon coated penetration sheath suitable for chemical industrial usages. Design complete with Teflon extension cable and Teflon seal end assembly.



ORDERING INFORMATION

SP2 **X** **XXX** **X** **X** **X** **XM**

DESIGN TYPE

Mineral Insulated Metal Sheath Probe Sensor With Extension Cable

THERMOCOUPLE CALIBRATION TYPE

K – Single (Chromel/Alumel)	T – Single (Copper/Constantan)
KK – Dual (Chromel/Alumel)	TT – Dual (Copper/Constantan)
J – Single (Iron/Constantan)	N – Single (Nicrosil/Nisil)
JJ – Dual (Iron/Constantan)	NN – Dual (Nicrosil/Nisil)
K – Single (Chromel/Alumel)	T – Single (Copper/Constantan)
KK – Dual (Chromel/Alumel)	TT – Dual (Copper/Constantan)
PT05 – PT50Ω	PT50 – PT500Ω
PT01 – PT100Ω	PT10 – PT1000Ω

SHEATH LENGTH (mm)

050	150	250	Others
100	200	300	

METAL SHEATH MATERIAL

1	SUS304	3	SUS321	5	Incoloy 800	7	Inconel 600	
2	SUS316	4	SUS310	6	Incoloy 825	8	Others	

TEFLON COATED DIAMETER

1	4.5	3	8.0	5	12.0	
2	6.0	4	10.0	6	Others	

HOT JUNCTION

1	Grounded	2	Ungrounded	3	Others	
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EXTENSION CABLE TYPE (ANSI / IEC / JIS COLOUR) and Length (Mtr)

TE/TE	(Teflon / Teflon)	1M	1 mtr
FG/FG	(Fiberglass / Fiberglass)	2M	2 mtr
PVC/PVC	(PVC / PVC)	3M	3 mtr
SIL/SIL	(Silicon / Silicon)	5M	5 mtr
Option	SSOB (Stainless Braided)	Others	

For other specification, please contact our sale representative