

Temperature Sensors

Spring Contact, Surface Temperature Measurement, Surface Temperature Measurement Magnet

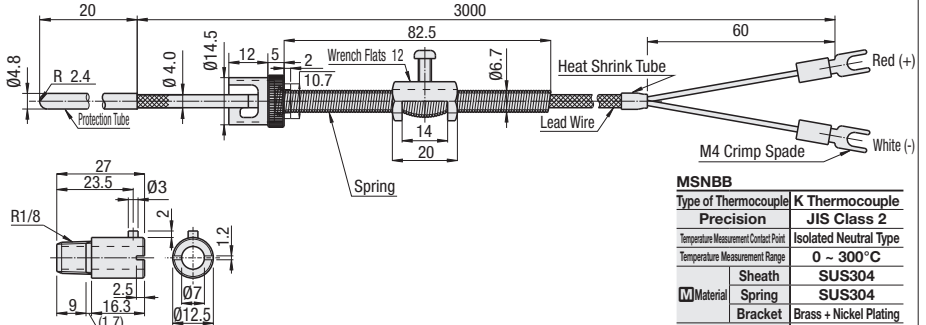
Be sure to refer to "Precautions for Use" in the Temperature Sensor Overview on P.1653.

Spring Contact Type

MSNBB (K Thermocouple)



RoHS 10



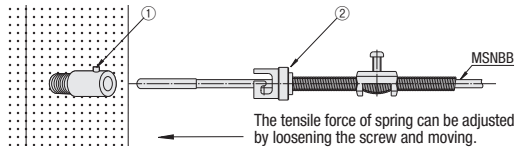
MSNBB		K Thermocouple	
Type of Thermocouple	K Thermocouple	Precision	JIS Class 2
Temperature Measurement Contact Point	Isolated Neutral Type	Temperature Measurement Range	0 ~ 300°C
Material	Sheath SUS304	Spring	SUS304
	Bracket		Brass + Nickel Plating
Lead Wire (Operating Temp. Range)			Glass Wool Coating + Outer Shield Winding (0-250°C)

Features: The power of spring enables the tip part of protective tube to reliably contact heated objects.

Part Number	Unit Price
Type	No.
MSNBB	4.8

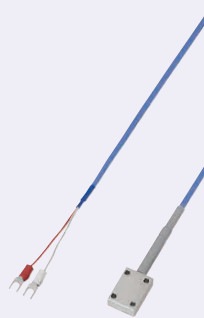
How to Use

Cut a Rø(Pt) 1/8 tap in the heated object, and fix the ①. Insert the sensor and hook ② catch on the protuberance of ①. The temperature can be measured stably by adhering the tip of sensor to the measuring position of the heated object.

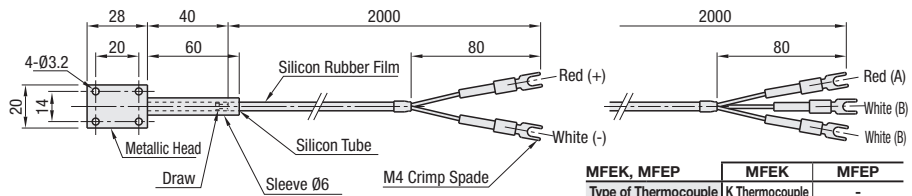


Surface Temperature Measurement Type

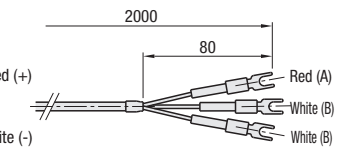
MFEK (K Thermocouple)



RoHS 10



MFEP (Temperature Measuring Resistor Pt1000)



MFEK, MFEP		MFEK	MFEP
Type of Thermocouple	K Thermocouple	-	-
Type of Device	-	Pt1000	-
Precision	JIS Class 2	JIS Class B	-
Temperature Measurement Contact Point	Isolated Neutral Type	-	-
Lead Type	-	3-lead Type	-
Temperature Measurement Range	0 ~ 150°C	-50 ~ 150°C	-
Material	Metallic Head	Brass + Nickel Plating	-
	Heat Resistance Temperature of Silicon Tube	150°C	-
Lead Wire (Operating Temp. Range)		Silicon Rubber Film (-50-150°C)	-

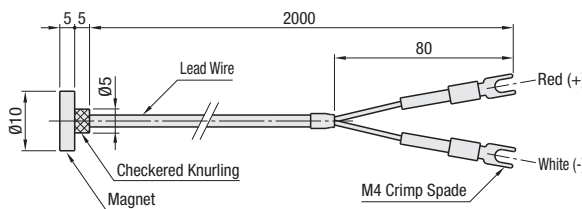
Part Number	Unit Price	
	MFEK	MFEP
MFEK		
MFEP		

Surface Temperature Measurement Magnet Type

MMGK (K Thermocouple)



RoHS 10



MMGK		K Thermocouple	
Type of Thermocouple	K Thermocouple	Precision	JIS Class 2
Temperature Measurement Contact Point	Grounded Type	Temperature Measurement Range	0 ~ 150°C
Material	Tube		SUS304
Lead Wire (Operating Temp. Range)			fluoropolymer coating (0-150°C)
Material	Magnet		Neodymium Magnet + Nickel Plating
Pull Force	Room Temp.		17.7{1.8}
N(kgf)	120°C		15.7{1.6}
Surface Magnetic Flux Density Gauss [G]	Room Temp.		3600
	120°C		3200

Pull Force and Surface Flux Density are for magnet alone (reference values).

Part Number	Unit Price
MMGK	

Ordering Example
 Part Number
 MSNBB.4.8
 MFEK
 MMGK