## **Temperature Sensors**

### **Connector / Double Element / Chemical Resistant Type**







#### **Chemical Resistance (Reference)** of Fluoro Resin (FEP) Tube Coating

The list below is for reference only and not to guarantee.

Mineral Oil	Water	Hydrochloric Acid (10%, RT)	Ammonia Water	Gasoline	Organic Solvent
Good	Excellent	Excellent	Excellent	Excellent	Good

Excellent - Slightly affected.

**Misumi** 

Good - Affected or swollen to some extent but usable depending on conditions. (RT is for ambient temperature = 20°C, % is concentration of solution.)

# **Temperature Sensors**

### Round Thermal Tip Sensors / Round Thermal Tip Sensors Silicone Type / Spade Type



MEI \$5.3

O Please refer to "Precautions for Use" in the Temperature Sensor Guide on P.3756.

O The upper limit temperature for measurement is the value at the temperature measurement point (the tip of sheath). When measuring, keep the sleeve temperature at or below the heat resistance temperature (80°C.) It might cause disconnection because of the swell caused by heat inside

the sleeve. When a heated object temperature exceeds 100°C, a long type of sheath L length is recommended, which is used to put maximum distance between the sleeve and the heated object, or Temperature Sensor, Heat Resistant Type (**P.3759**) is recommended.

- 200

MSNDS				
Type of Thermocouple	K Thermocouple			
Precision	JIS Class 2			
Temp. Measurement Contact Point	Grounded Type			
Temperature Measurement Range	0~150°C			
Silicon Tube Heat Resistance Temp.	150°C			
Lead Wire (Operating Temp. Range)	Glass Wool Coating + Outer Shield Winding (0~250°C)			



MFMT Type of Thermocouple K Thermocouple Precisior JIS Class 2 Temp. Measurement Contact Point Grounded Type Temperature Measurement Range 0~150°C Silicon Tube 150°C Heat Resistance Te Silicon Coating Lead Wire (Operating Temp. Range) (0~150°C) Lead Wire Mmin 20 Bending R

	MSNY	
	Type of Thermocouple	K Thermocouple
- Red(1)	Precision	JIS Class 2
TC IIeu(+)	Temp. Measurement Contact Point	Grounded Type
White (-)	Temperature Measurement Range	0~150°C
/	Silicon Tube Heat Resistance Temp.	150°C
	Lead Wire (Operating Temp. Range)	Glass Wool Coating (0~150°C)

