



SMART Extension Lead Cable

RTD TEMPERATURE SENSOR

— PT100, PT1000 ,NTC —
Model No: MTS100



General Specifications

GS 19A16D01-01EN

TEMPERATURE SENSOR EXTENSION LEAD CABLE

MTS100

Overview

MTS100 high quality extension lead cable RTD temperature sensor is PT100, PT1000 En60751 standard or NTC element, is designed for various gas or liquid or air temperature measurement, installation type with that to insert various holes or to be the sharp points type insert into the medium to be measured, working with kinds of instruments.

Application

- Industrial occasion, laboratories, green house, water, soil
- ambient temperature monitoring and general systems
- HVAC and air temperature regulation systems
- Heating systems or thermostats and various process fields
- Various food or medical pharmaceutical processing industry

Feature

- Working temperature range: -50 to 300°C
- Single or double element, faster thermal response time**
- Element: PT100, PT1000, EN60751 standard; NTC
- Output: 2 wire, 3 wire, 4 wire
- Sheath diameter; OD:** $\Phi 3$, $\Phi 4$, $\Phi 5$, $\Phi 6$, $\Phi 8$, $\Phi 10$ mm
- Junction type:** underground, ground, exposed
- Lead cable Type:** PVC, PTFE, metal net high temperature cable



Extension Lead Cable Temperature Sensor
MTS100

Specification

Accuracy	Class A, $\pm(0.15^{\circ}\text{C}+0.002\text{ItI})$	Working temperature	-10 to 100°C; -50 to 250°C;
	Class B, $\pm(0.3^{\circ}\text{C}+0.005\text{ItI})$		-50 to 200°C; -50 to 300°C
	Class 2B, $\pm(0.6^{\circ}\text{C}+0.005\text{ItI})$	Sheath Diameter (OD)	$\Phi 3$, $\Phi 4$, $\Phi 5$, $\Phi 6$, $\Phi 8$, $\Phi 10$ mm or customized
Element Type	Pt100, PT1000, EN60751; NTC	Sheath material	304SS, 316SS, 310SS, 321SS, Copper
Element NO.	Single, double	Lead cable material	PVC, PTFE, silica gel; fiberglass metal net
Junction type	Underground		metal net high temperature cable etc
Response time	T0.9 is near 0.6second, when it is under water speed rate is 0.2m/sec and the sheath OD is 5mm		

Order Code

MTS100 Lead type RTD Temperature sensor												
Order Code: E.g.: MTS100-P1S-T1D4L100SNC1A										Description		
MTS100	-X	X	X	X	X	X	X	X	X	X	MTS100 Lead type Temperature Sensor	
Element type	-P										PT100	
	-P0										PT1000	
	-NTC										NTC (only 1 element),10K	
Element No.	1										1	
	2										2	
Junction Type		S									underground	
Process Connection Type		-T1									0 to 100°C	
		-T2									-50 to 200°C	
		-T3										-50 to 250°C
		-T4										-50 to 300°C
Process Connation Size		D2									Φ2 (thermocouple only)	
		D3									Φ3	
		D4										Φ4
		D5										Φ5
		D6										Φ6
		D8										Φ8
		D10										Φ10
		DX										Customized
Stem Insert Length (mm)		LX									L100: L=100mm	
Stem Extended Length (mm)		S									304SS	
		M									316SS	
Stem type		N									Standard type	
		R									Rolled water-proof type	
		C										Corrosion -proof cover type
		X										customized
Lead cable Type		C1									PTFE cable, -50 to 200°C	
		C2									PVC cable, -10 to 100°C	
		C3										Silicone gel cable, -50 to 200°C
		C4										Glass fiber with metal braided cable, -50 to 400°C
		C5										Ceramic fiber with metal braided cable,-50 to 500°C
		-CX										Customized
Accuracy		A									Class A; Class I	
		B									Class B; Class II	
Cable length		-xm									-1m : 1m cable	

Note: Order Code: E.g.: MTS100-P1S-T1D4L100SNC1A-1m -Φ4X100, 1m, pt100 type thermocouple, single element, underground, Class A, probe material:304SS, PFTE cable



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