



PRODUCT CATEGORY:
THERMISTORS + TEMPERATURE

Thermistor Strings

RST Instruments manufactures thermistor string assemblies that are environmentally hardened to provide accurate and reliable long-term measurements under demanding geotechnical conditions. The strings incorporate interchangeable, curve tracking, negative temperature coefficient (NTC) thermistors. As the thermistors are curve matched to desired temperature tolerance over selected temperature ranges, this permits the use of multiple sensors with a single readout or data logger, eliminating costly calibration procedures.

RST thermistor strings are custom manufactured to user specifications: cable length, thermistor number and location on the string. Resistance to the ingress of water is insured by a triple encapsulation procedure. Standard cable employed is a heavy duty, direct burial rated 22 gauge water blocked instrumentation cable.

RST's DT Series and RSTAR Affinity Data Loggers or flexDAQ Data Loggers can be used to monitor the string.

> FEATURES

High reliability, ensured by triple encapsulation.	Precision matched, interchangeable thermistors.
Pre-assembled to specific length and spacing.	Heavy duty, direct burial cable standard.

> ORDERING INFO

Quantities and required thermistor spacing per string. Shortest spacing possible is 150mm (5.9")	Cable length.
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> BENEFITS

- ✓ **High Reliability**
- ✓ **High Accuracy**

SPECIFICATIONS

ITEM	DESCRIPTION
Interchangeability Tolerance	±0.1°C
Interchangeability Temp. Range	0°C to +75°C
Operating Temp. Range	-80°C to +75°C
Stability	0.01°C or better /100 months at 0°C
Resistance at 25°	3k ohms

DIMENSIONS + ORDERING INFO

PART #	THERMISTOR POINTS		CABLE DIA.		BEAD* DIA.		CABLE
	POINTS	PAIRS	MM.	IN.	MM.	IN.	
TH0003	1	1			13.97	0.55	EL380002
TH0022	2	2	6.35	0.25	13.97	0.55	EL380004
TH0022	3	3	6.35	0.25	13.97	0.55	EL380006
TH0022	4	4	8.128	0.32	13.97	0.55	EL360008
TH0022	5-6	6	10.41	0.41	19.05	0.75	EL380012C
TH0022	6-7	7	9.84	0.39	19.05	0.75	EL380007P
TH0022	7-16	13	10.41	0.41	19.05	0.75	EL380013P

* Please check with RST Sales for accurate dimensions of string assembly.