

Application area

- Cable thermocouples are suitable for measuring temperature up to approx. 1500°C. This types are easily replaceable and can be inserted or screwed into holes in machine parts without thermowells.
It is very useful where the distance between measuring parts and the location of its head is too far.
Normally cable thermocouples have no process connection as the probes are inserted in a hole directly.
But all type of process connection which are available by DAHO.
- Application industry
 - Engine cylinder heads
 - Pipelines and tanks
 - injection moulding machines

**General specification****Element / Sensor**

K, E, J, T type

Accuracy

0.75% for reading temperature

Type

TEC101 Protecting tube lead wire type
TEC102 Sheath lead wire type

Element wire type

Single / Double

Tube / Sheath diameters

TEC101 3.2, 4.8, 6.4, 8.0 mm
TEC102 1.0, 1.6, 2.2, 3.2, 4.8, 6.4, 8.0 mm

- Double element is not available for 1.0 mm tube diameter in sheath lead type.

Material

Tube (TEC101): SUS304 / SUS316
Sheath (TEC102): SUS316 / Inconel

Insert length

TEC101: 100mm to 2000mm
TEC102: 100mm to 4000mm

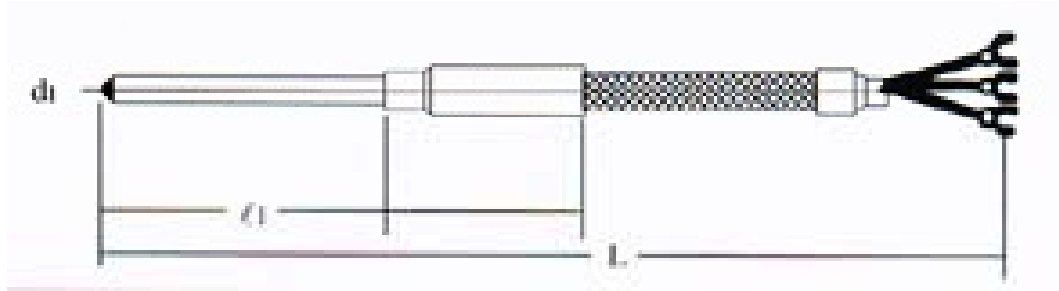
Lead wire

Standard: 2M

Optional extras

- Connection thread: PF1/2, PT1/2, or others on request
- Accuracy 0.4% for reading temperature
- Additional lead wire

Drawing



Order Details

Cable Thermocouple		TEC1	
type	Protecting tube lead wire type	01	
	Sheath lead wire type	02	
Element type	K - type	K	
	E - type	E	
	J - type	J	
	T - type	T	
Element wire type	Single element	S	
	Double element	D	
Sheath or tube material	SUS 304	1	
	SUS 316	2	
	INCONEL	3	
Process connection	without screwing	C0	
	PT1/4"	R4	
	PT1/2"	R2	
	PF 1/4"	G4	
	PF 1/2"	G2	
	Specific connection	00	
Sheath out dia.	1.0	D1	
	1.6	D2	
	2.3	D3	
	3.2	D4	
	4.8	D5	
	6.4	D6	
	8.0	D7	
	Stem length	standard immersion length to be specified, e.g. l1 200mm: order code 200	0000

** Please give additional specification for models not listed.