

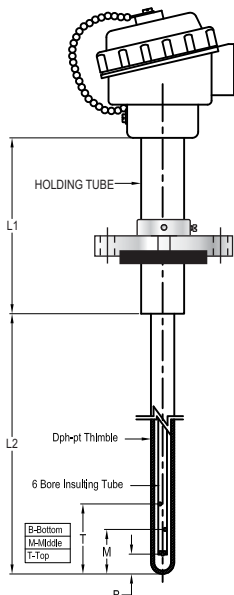


Specifications

Standard Version

Thermocouple type	: Beaded element
No of elements	: Triplex
Accuracy	: Class 2 as per IEC - 584.2 / ANSI MC - 96.1
Elements	: Platinum 13% Rhodium - Platinum (R type)
Hot junction type	: Ungrounded junction
Terminal head Type	: Screwed type, weatherproof, IP-67 in Die Cast Aluminum
No of conduit entry	: One
Conduit entry size	: 3/4" ET(F)
Insulating tube diameter	: 4.5 mm
Insulating tube material	: KER 710
Wire diameter	: 0.45 mm
Holding tube OD x ID x L	: 25 x 18 x 500 mm
Holding tube material	: SS 316
Dph platinum thimble OD x ID x L	: 15 x 10 x 300 mm
Process connection	: 1/2"150 # Adj.
Element length from tip	: B = 20, M = 70, T = 120 mm
Flange / threaded conn. material	: SS 316
Tag plate	: SS Tag Plate

Dimensional Details



- Notes :**
- Drawings are not to scale.
 - All Dimensions are in mm.

Special Features

- Assembly with platinum thimble for molten glass application
- Thermocouple element is available in different wire sizes..
- Available in various connections & sheath diameters
- Enclosures (Head)
 - Weatherproof IP - 67
 - Flameproof Gr. IIA, IIB
 - Explosion proof IIA, IIB, II C
- Reference standard : IEC - 584.2 / ANSI MC - 96.1

Application

- Temperature measurement of furnaces, combustion chambers, recuperators and similar applications.

How To Order

Example

Basic model

Optional Extras

(Select if you required options other than standard product details)

Thermocouple Type

BE Beaded element

No of Elements

3 Triplex (Standard)

Accuracy

- 1** Class 1 as per IEC - 584.2 / ANSI MC - 96.1
- 2** Class 2 as per IEC - 584.2 / ANSI MC - 96.1

Element Type

- R** Platinum 13% Rhodium - Platinum (Non MI Beaded)
- S** Platinum 10% Rhodium - Platinum (Non MI Beaded)
- B** Platinum 6% Rhodium - Platinum 30% Rhodium (Non MI Beaded)

Hot Junction Type

G Grounded Junction **UG** Un-Grounded Junction

Terminal Head Type

- F** Screwed type, flameproof, IP-67, Gr. IIA IIB in Die-cast Aluminum
- E** Screwed type, explosionproof, IP-67, Gr. IIC in Die-cast Aluminum
- H** Hinged type, weatherproof, IP-67 in Die-cast Aluminum
- 3** Terminal head in SS 304 - WP, IP-67
- 4** Terminal head in SS 316 - WP, IP-67
- 5** Terminal head in Cast Iron, IP-65

No of Conduit Entry / Entries

1 One **2** Two

Conduit Entry Size

A 3/4" ET (F) **C** 3/4" NPT(F)
B 1/2" NPT(F) Other, please specify

Insulating Tube Diameter

3.5 3.5 mm **6.5** 6.5 mm
4.5 4.5 mm **8.5** 8.5 mm
5.5 5.5 mm Others, please specify.

Insulating Tube Material

KER 710 Recrystallized Alumina

T16

X

X

X

X

X

X

X

X

X

X

How To Order	Example
Wire Diameter	XX
Standard Wire Gauge (Beaded Element)	
25 25 SWG (0.50 mm) 29 29 SWG (0.35 mm)	
Holding Tube OD x ID x L	X
OD x ID x L - Specify in mm.	
Holding Tube Material	X
1 SS 316	
3 SS 310	
4 SS 446	
6 Inconel 600	
8 Inconel 800	
8	X
Platinum Thimble OD	
Flange / Threaded Connection Material	X
2 A182 F304	
3 A182 F316	
Consult factory for other material. (As per ANSI B 16.5)*	
B15 3/4" 150 # B21 1" 150 # B39 2" 150 # B16 3/4" 300 # B22 1" 300 # B40 2" 300 # B17 3/4" 600 # B23 1" 600 # B41 2" 600 # B33 1 1/2" 150 # B51 3" 150 # B34 1 1/2" 300 # B52 3" 300 # B35 1 1/2" 600 # B53 3" 600 #	
(* Please mention the flange face and flange finish) Please consult factory for other flanges.	

How To Order	Example
Element Length from Tip (B, M & T)	20/70/120 mm
L1 - Specify in mm.	
Other Options	XX
21 Plug for conduit entry in Carbon Steel	
22 Plug for conduit entry in SS 304	
23 Plug for conduit entry in SS 316	
32 S. C. cable gland in nickel plated brass - WP	
33 D. C. cable gland in nickel plated brass - WP	
34 S. C. cable gland in SS 304 - WP	
35 D. C. cable gland in SS 304 - WP	
36 S. C. cable gland in SS 316 - WP	
37 D. C. cable gland in SS 316 - WP	
38 S. C. cable gland in Nickel plated Brass - FLP	
39 D. C. cable gland in Nickel plated Brass - FLP	
40 S. C. cable gland in SS 304 - FLP	
41 D. C. cable gland in SS 304 - FLP	
42 S. C. cable gland in SS 316 - FLP	
43 D. C. cable gland in SS 316 - FLP	
PW Calibration certificate	

Note :

- When selecting option "PW", please also specify temp. Points at which calibration is to be carried out .
- Explanations of Abbreviations used:
 SC = Single Compression SS = Stainless Steel
 DC = Double Compression FLP = Flameproof
 WP = Weatherproof

Ordering Example :
T16 . XX . X . X . X . X . 20/70/120 mm . XX