

Special Features

- Mineral insulated cable.
- Spring loaded design for positive contact with thermowell
- Available in various connections & sheath diameters
- Enclosures (Head)
- Weatherproof IP - 67 & IP - 68
- Flameproof Gr. IIA, IIB
- Explosion proof IIA, IIB, IIC
- Transmitter output 4 - 20 mA (Optional)
- Reference standard : IEC - 584.2 / ANSI MC - 96.1

Application

- Such design is generally used in all industries, machinery manufactures, bearing temp. measurement etc. where space is limited



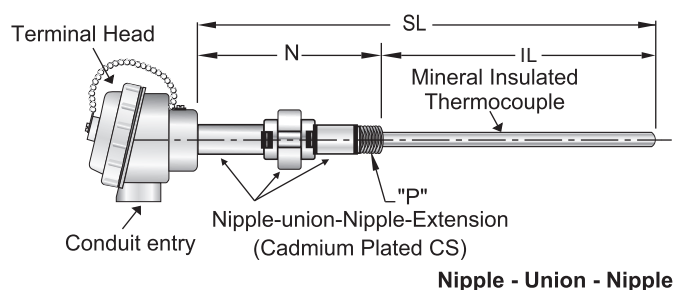
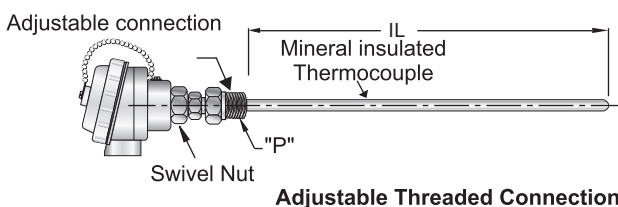
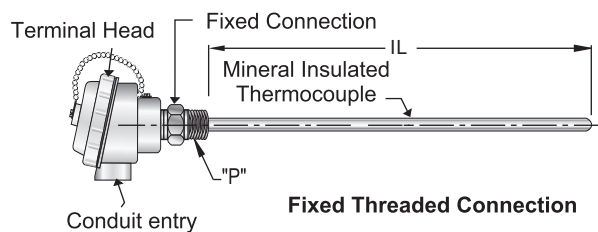
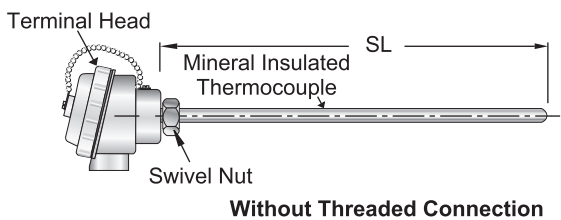
ATEX II 2G
Ex db eb IIC T6.....T1 Gb (Tamb = -20 °C ≤ Ta ≤ +60 °C)

Specifications

Standard Version

No of elements	: Simplex
Element type	: Chromel - Alumel (K type)
Accuracy	: Class 2 as per IEC - 584.2 / ANSI MC - 96.1
Hot junction type	: Ungrounded junction
Sheath diameter	: 6.0 mm
Sheath material	: SS 316
Terminal head type	: Screwed type, Weatherproof, IP - 67 & IP - 68 in Die Cast Aluminium
No of conduit entry	: One
Conduit entry size	: 3/4" ET(F)
Head extension type	: Without threaded connection
Sheath length "SL" below head	: 150 mm
Tag plate	: SS tag plate

Dimensional Details



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

Design and specifications subject to change without notice 12-05-25

How To Order	Example
Basic model	T01
Optional Extras	
(Select if you required options other than standard product details)	
No of Element	
1 Simplex (Standard)	X
2 Duplex (Above sheath dia. 3 mm)	
Element	
K Chromel-Alumel (Standard)	
J Iron-Constantan	
T Copper-Constantan	
E Chromel-Constantan	X
R Platinum 13% Rhodium - Platinum*	
S Platinum 10% Rhodium - Platinum*	
B Platinum 6% Rhodium - Platinum 30% Rhodium*	
N Nicrosil - Nisil	
*Non MI Beaded (Sheath diameter 6 mm & above)	
Accuracy	
1 Class 1 as per IEC - 584.2 / ANSI MC - 96.1	X
2 Class 2 as per IEC - 584.2 / ANSI MC - 96.1 (Std.)	
Hot Junction Type	
G Grounded Junction	X
U Un-grounded Junction (Std.)	
Sheath Diameter	
1 1.0 mm* 5 4.5 mm 10 10.0 mm	X
1.5 1.5 mm* 6 6.0 mm (Std.) 12 12.7 mm	OR
2 2.0 mm* 7 6.35 mm	XX / XXX
3 3.0 mm 8 8.0 mm Others, please specify.	
Sheath Material	
1 SS 316 (Std.) 3 SS 310	X
2 SS 316L 6 Inconel 600	
* Applicable for Simplex Elements only.	
Terminal Head Type	
F Screwed type, Flameproof, IP-67, Gr. IIA IIB in Die Cast Aluminum	
E Screwed type, Explosion proof, IP-67, Gr. IIC in Die Cast Aluminum	
H Hinged type, Weatherproof, IP-67 in Die Cast Aluminum	
B Weatherproof Head, IP-67 in Die-cast Aluminum	
A Screwed type, weatherproof, IP-65 in Die Cast Aluminum	X
C Screwed Type, Weatherproof, IP-68 in Die Cast Aluminum	OR
D ATEX IIC, single entry, SS 304	XX
E ATEX IIC, single entry, SS 316	
F ATEX IIC, single entry, Die Cast Aluminium	
3 Terminal head in SS 304 - WP, IP-67	
4 Terminal head in SS 316 - WP, IP-67	
E1 Screwed type Explosion proof, IP-68, Gr. IIC (ATEX, IECEX) Die Cast Aluminium, 1/2" NPT (F) threads	
E2 Screwed type Explosion proof, IP-68, Gr. IIC (ATEX, IECEX) SS 316, 1/2" NPT (F) threads	
E3 Screwed type Explosion proof, IP-68, Gr. IIC (ATEX, IECEX) SS 304, 1/2" NPT (F) threads	
* For other option contact factory	
No of Conduit Entry / Entries	
1 One (Std.) 2 Two	X
Conduit Entry Size	
A 3/4" ET (F) (Std.) 4NF 1/2" NPT (F)	X
C 3/4" NPT (F) 4MM M20 x 1.5 (M)	OR
	XXX
Head Extension Type	
X Head with swivel nut	
E Head with nipple extension	
U Head with nipple union extension	X
N Head with nipple union nipple extension	OR
T Fixed threaded connection	XX
N1 Nipple Union Nipple (N-U-N), 100 mm, SS 316 (Only for ATEX, IECEX)	
N2 Nipple Union Nipple (N-U-N), 150 mm, SS 316 (Only for ATEX, IECEX)	
AC Adjustable threaded connection	

How To Order	Example
Sheath Length 'SL' Below Head / L	250 mm
SL / IL - Specify in mm	
Process conn. "P"	
4NM 1/2" NPT (M) 5NF 3/4" NPT (F)	XXX
4NF 1/2" NPT (F) 5BM 3/4" BSP (M)	
4BF 1/2" BSP (F) 5BF 3/4" BSP (F)	
5NM 3/4" NPT (M)	
Other Options	
14 SS Base plate suitable for temperature transmitter	
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	
39 D. C. cable gland in Nickel plated Brass - FLP	
41 D. C. cable gland in SS 304 - FLP	
43 D. C. cable gland in SS 316 - FLP	
45 D. C. cable gland in Nickel plated brass-Ex proof	
46 D. C. cable gland in SS304--Ex proof	
47 D. C. cable gland in SS316--Ex proof	
48 FLP / Ex proof plug in SS 304	
49 FLP / Ex proof plug in SS 316	
50 FLP / Ex proof plug in Nickel plated Brass	XX
51 Terminal block removable fitted with screw	OR
EC Head with nipple extension 50 mm in CS	XXX
E4 Head with nipple extension 50 mm in SS 304	
E6 Head with nipple extension 50 mm in SS 316	
UC Head with nipple union extension 100 mm in CS	
U4 Head with nipple union extension 100 mm in SS 304	
U6 Head with nipple union extension 100 mm in SS 316	
NC Head with nipple union nipple extension 100 mm in CS	
N4 Head with nipple union nipple extension 100 mm in SS 304	
N6 Head with nipple union nipple extension 100 mm in SS 316	
PC Head with nipple union nipple extension 150 mm in CS	
P4 Head with nipple union nipple extension 150 mm in SS 304	
P6 Head with nipple union nipple extension 150 mm in SS 316	
A1 Double compression cable gland in SS 304 - ATEX, IECEX	
A2 Double compression cable gland in SS 316 - ATEX, IECEX	
A3 ATEX IIC double compression cable gland in Nickel plated Brass	
A4 Ex certified plug in SS 304	
A5 Ex certified plug in SS 316	
A6 ATEX IIC plug in Nickel plated Brass	
A13 Head mounted ATEX, IECEX Temp. Transmitter	
A14 SS Base plate suitable for ATEX, IECEX Temp. Transmitter	
AC Adjustable threaded connection	
SX SS tag plate	
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
- ATEX IIC Exd & Exe certificate for TC is valid with Thermowell only.**
- ATEX, IECEX cable gland will be provided with ATEX, IECEX certified equipment manufacturer**

Ordering Example :

T01 . X . X . X . X . X OR XX/XXX . X . X OR XX . X . X OR XXX . X OR XX . 250 mm . XXX . XX OR XXX

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing .
Modifications may take place and materials specified may be replaced by others without prior notice.