THERMOCOUPLE ASSEMBLY WITH FIXED / ADJUSTABLE & N-U-N CONNECTION

Effex INDUSTRIALSOLUTIONS

MODEL CODE : ET01

- Reference Standard :- **IEC - 584.2 / ANSI MC - 96.1**

SPECIAL FEATURES

- Mineral insulation enables flexibility and Durability.
- Spring loaded design for positive contact with thermowell
- Available in various connections & sheath diameters
- Enclosures (Head)
  - Weatherproof IP - 67
  - Flameproof Gr. IIA, IIB
  - Explosion proof IIA, IIB, II C
- Transmitter output 4 - 20mA (Optional)

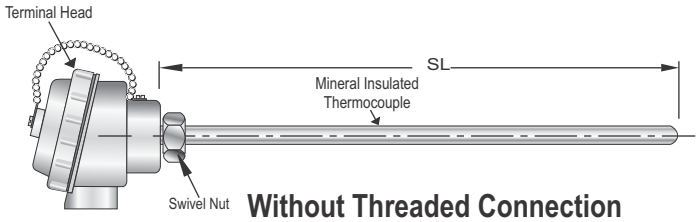
APPLICATIONS

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

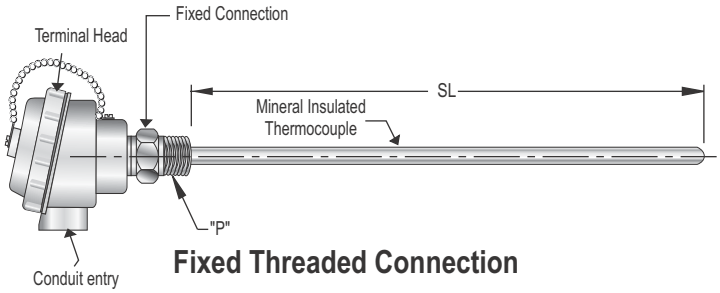
STANDARD PRODUCT DETAILS

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 in Die Cast Aluminum
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	-	Aluminum Tag Plate

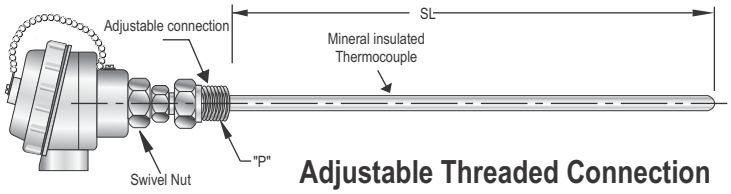
DIMENSIONAL DETAILS



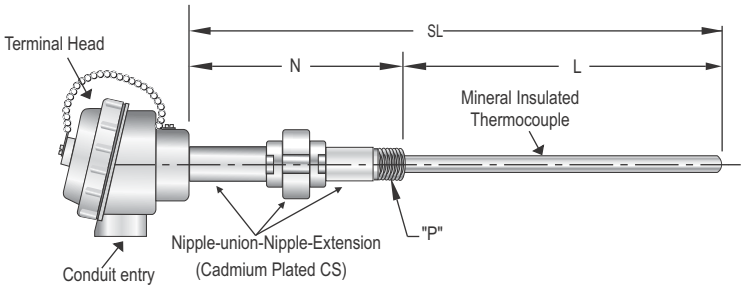
Without Threaded Connection



Fixed Threaded Connection



Adjustable Threaded Connection



Nipple - Union - Nipple

HOW TO ORDER

Example: **KT01**

BASIC MODEL → KT01

Optional Extras

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

No of Elements → 2

2	Duplex (Above sheath dia. 3 mm)

Element Type → X

J	Iron-Constantan
T	Copper-Constantan
E	Chromel-Constantan
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 → X

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

Hot Junction Type → X

G	Grounded Junction

Sheath Material → X

3	SS 310
6	Inconel 600

Sheath Diameter → X

1	1.0 mm*
1.5	1.5 mm*
2	2.0 mm*
3	3.0 mm
4.5	4.5 mm
8	8.0 mm
	Others, Please specify.

* Applicable for Simplex Elements only.

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

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THERMOCOUPLE ASSEMBLY WITH FIXED / ADJUSTABLE & N-U-N CONNECTION

Effex INDUSTRIALSOLUTIONS

MODEL CODE : ET01

Terminal Head Type → X

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
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 → X

2	Two

Conduit Entry Size → B

B	½" NPT(F)
C	3/4" NPT(F)
	Other, Please Specify

Head Extension Type → X

X	Head With Female Threaded
E	Head With Nipple Extension
U	Head With Nipple Union Extension
N	Head With Nipple Union Nipple Extension
T	Fixed Threaded Connection
A	Adjustable Threaded Connection

Sheath Length 'SL' Below Head → 250 mm

SL - Specify in mm.

Process conn. "P" → 4NM

4NM	½"NPT (M)
4NF	½"NPT (F)
4BF	½"BSP (F)
5NM	3/4" NPT (M)
5NF	3/4" NPT (F)
5BM	3/4" BSP (M)
5BF	3/4" BSP (F)

Other options → SX

13	Head Mounted Transmitter (4-20 mA)
14	SS base plate suitable for Temperature Transmitter Mounting
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
EC	Head with Nipple extension 50 mm in CS
E4	Head with Nipple extension 50 mm in SS 304
E6	Head with Nipple extension 50 mm in SS 316
UC	Head with Nipple extension 100 mm in CS
U4	Head with Nipple extension 100 mm in SS 304
U6	Head with Nipple extension 100 mm in SS 316
NC	Head with Nipple extension 150 mm in CS
N4	Head with Nipple extension 150 mm in SS 304
N6	Head with Nipple extension 150 mm in SS 316
PW	Calibration Certificate
SX	SS Tag Plate

Note :

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

Ordering Example:

ET01 - 2 - X - X - X - X - X - X - X - B - X - 250mm - 4NM - SX

For parameters & specifications other than the above, refer to our nearest sale office.

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.

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