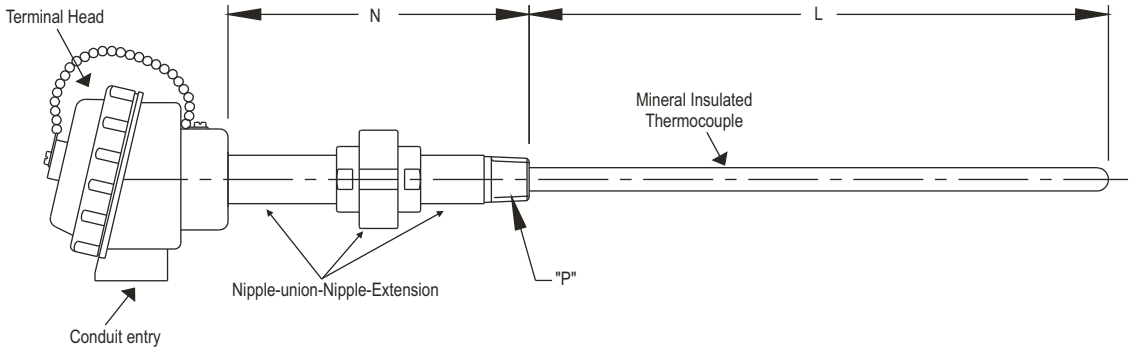
THERMOCOUPLE ASSEMBLY WITH NIPPLE-UNION-NIPPLE CONNECTION

TGI32-2



SPECIAL FEATURES:

- Mineral insulation.
- Spring loaded design for positive contact.
- Available in all sheath diameters and sheath material.
- Mineral insulation enables Thermocouples to be used at high temperature.
- Enclosures are available in all material - Die cast Aluminium / Cast Iron / SS 304 / SS 316
- Enclosures are available in all categories (Weatherproof, IP-65 to IP-68), Flameproof GR. IIA IIB and Explosionproof, GR IIA, IIB, IIC for H_2 service application.

APPLICATIONS:

- Such assemblies are generally inserted in the existing Thermowells / protection tubes.

HOW TO ORDER

Code	No. Of Elements
1	Simplex
2	Duplex
3	Triplex

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Code	Element Type
J	Iron-Constantan
K	Chromel-Alumel
T	Copper-Constantan
E	Chromel-Constantan
R	Plat. 13% Rhod. - Plat.
S	Plat. 10% Rhod. - Plat.
B	Plat. 6% Rhod. - Plat. 30% Rhod.
N	Nicrosil - Nisil

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Code	Accuracy
CL1	Class 1 as per IEC - 584.2
CL2	Class 2 as per IEC - 584.2

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Code	Hot Junction Type
G	Grounded Junction
UG	Ungrounded Junction

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- Reference standard :- **IEC - 584.2**

STANDARD PRODUCT DETAILS

No of Elements	-	Simplex
Element Type	-	Chromel-Alumel
Accuracy	-	Class 2 as per IEC - 584.2
Hot Junction Type	-	Ungrounded Junction
Sheath Diameter	-	6.0 mm
Sheath Materia	-	SS 316
Terminal Head Type	-	Screwed type, weatherproof, IP-65 in die-cast Alumunium
No. Of Conduit Entries	-	One
Conduit Entry Size	-	3/4" ET(F)
Head Extension Type	-	Nipple-Union- Nipple in Cd plated CS
Immersion Length"L"mm	-	300 mm
Extension Length"N"mm	-	150 mm
Process Connection"P"	-	½"NPT(M)
Option Description	-	S.C. cable gland in nickel plated brass

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Code	Sheath Diameter
3	3.0 mm
4.5	4.5 mm
6	6.0 mm
8	8.0 mm
Consult factory for other size.	

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Code	Sheath Material
310	SS 310
316	SS 316
INC.6	Inconel 600
INC.8	Incolloy 800

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Code	Terminal Head Type
SWP	Screwed type, weatherproof, IP-65 in die-cast Alumunium
SFP	Screwed type, flamerproof Gr. IIA IIB in die-cast Alumunium
SEP	Screwed type, explosionproof Gr.IIC in die-cast Alumunium
HWP	Hinged type, weatherproof, IP-65 in die-cast Alumunium
JWP	Junction box, weatherproof, IP-65 in die-cast Aluminium
JFP	Junction box, flamerproof Gr. IIA IIB in die-cast Alumunium
JEP	Junction box, explosionproof Gr.IIC in die-cast Alumunium
BWP	Weatherproof Head, IP-65 in die-cast Aluminium with cover fitted with two screws.

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Code	No. Of Conduit Entry/Entries
1	One
2	Two
	Other, Please Specify

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Code	Conduit Entry Size
A	3/4" ET(F)
B	1/2"NPT(F)
C	3/4"NPT(F)
	Other, Please Specify

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Code	Head Extension Type
NUN	Nipple-Union- Nipple in Cd plated CS

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Code	Immersion Length "L"mm
	Specify in mm.

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Code	Extension Length "N"mm
	Specify in mm.

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Code	Process conn. "P"
A	½"NPT(M)
B	½"BSP(M)
C	3/4"NPT(M)
D	3/4"BSP(M)
	Other, Please Specify

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Code	Option Description
0	None
3	Terminal head in SS 304
4	Terminal head in SS 316
5	Terminal head in Cast Iron
6	S.C. cable gland in nickel plated brass
7	D.C. cable gland in nickel plated brass
8	S.C. cable gland in SS 304
9	D.C. cable gland in SS 304
11	S.C. cable gland in SS 316
12	D.C. cable gland in SS 316
13	Head mounted temp. transmitter
14	S.S. base plate suitable for Temperature Transmitter mounting
15	Head Extension in SS 304.
16	Head Extension in SS 316.
20	Plug for conduit entry in Carbon Steel [ASTM A105]
21	Plug for conduit entry in SS 304
22	Plug for conduit entry in SS 316
23	Plug for conduit entry in Aluminium
PW	Five Point Factory Calibration Certificate
SX	SS Tag Plate

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Note :

1. When selecting option "PW", please also specify measuring temperature range.(For e.g. 0/300°C)
2. Explanations of Abbreviations used:
   - SC = Single Compression
   - DC = Double Compression
   - SS = Stainless Steel

(Ordering Example)

TGI32-2	1	K	CL2	UG	6	316	SWP	1	A	NUN	300	150	A	6
	1	2	3	4	5	6	7	8	9	10	11	12	13	14