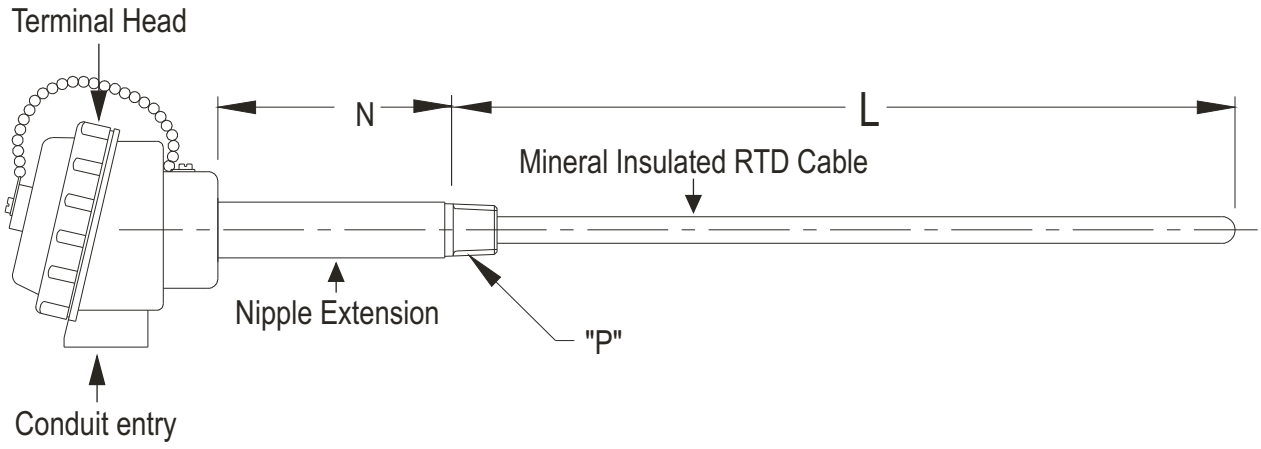
RTD ASSEMBLY WITH NIPPLE CONNECTION

TGI31-1



SPECIAL FEATURES:

- Mineral insulation.
- Spring loaded design for positive contact with thermowell
- Available in all sheath diameters
- Mineral insulation enables flexibility and Durability.
- Enclosures in all material - Die cast Aluminium / Cast Iron / SS 304 / SS 316
- Enclosures in all categories (Weatherproof, IP-65 to IP-68, Flameproof Gr. IIA, IIB, and Explosionproof and Gr. IIA, IIB, IIC for H_2service application.)
- Reference standard :- **IEC - 751.**

APPLICATIONS:

- Such assemblies are generally inserted in existing Thermowells / Protection Tubes.

HOW TO ORDER

Code	No of Element
1	Simplex
2	Duplex

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Code	Element Type
Pt -100	Pt - 100 RTD
Pt- 500	Pt - 500 RTD
Pt - 1000	Pt - 1000 RTD
Cu - 53	Cu - 53

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Code	Range
FLM	-200°C till 449°C
CMC	450°C till 600°C

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Code	Accuracy
A	Class 'A' Tolerance as per IEC - 751
B	Class 'B' Tolerance as per IEC - 751

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Code	Wire Configuration
2W	2 Wire System
3W	3 Wire System
4W	4 Wire System

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STANDARD PRODUCT DETAILS

No of element	-	Simplex
Element type	-	Pt - 100 RTD
Range	-	-200°C till 449°C
Accuracy	-	Class 'B' Tolerance as per IEC - 751
Wire Configuration	-	3 Wire System
Sheath Diameter	-	6.0 mm
Sheath Material	-	SS 316
Terminal Head Type	-	Screwed type, weatherproof, IP-65 in Die-cast Alumunium
No. Of Conduit Entry/Entries	-	One
Conduit Entry Size	-	3/4" ET(F)
Head Extension Type	-	Head - Nipple Extension in Cd plated CS
Immersion Length "L"mm	-	300 mm
Extension Length "N"mm	-	100 mm
Process conn. "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
3/ 2.8	3.0/ 2.8 mm*
6	6.0 mm
6/ 5	6.0/ 5.0 mm*
8	8.0 mm
8/ 5	8.0/ 5.0 mm*
Consult factory for other diameter. * RTD Element will be enclosed in Ø3.0 mm SS 316 sheath & Extended by Ø2.8 mm Mineral Insulated lead out cable.	

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Code	Sheath Material
316	SS 316

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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
N	Head - Nipple Extension 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
16	Head Extension in SS 304.
17	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)

TG131-1	1	(Pt-100)	FLM	B	3W	6	316	SWP	1	A	N	300	100	A	6
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

TECHIN GAUGES & INSTRUMENT PVT. LTD.
No. 8 | Bldg. A | Plot # 34-37 | Natraj Industrial Estate
Daman Ganga Industrial Park | Vapi | 396195 | Gujarat
info@techingauges.com | www.techingauges.com