

Thermocouple

T1-T01 Thermocouple Assembly with Fixed / Adjustable & N-U-N Connection

Special Features:

- . Mineral insulated cable.
- . 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, IIC
- . Transmitter output 4 – 20 mA (Optional)



Application:

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

T2-T02 Thermocouple Assembly with Single / Double Protecting Tube (Flanged / Screwed Connection)

Special Features:

- . Assembly with KER 710 or KER 610 tube for high temperature 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
- . Transmitter output 4 – 20mA (Optional)



Application:

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

T3-T03 Thermocouple Assembly ('L' type)

Special Features:

- . Mineral insulation
- . Various hot arm and cold arm material combinations are available
- . Transmitter output 4 – 20mA (Optional)

Application:

- . Furnace temperature measurement and similar applications.



T4-T04 Thermocouple Assembly with Weld Pad / Integral collar (Skin temp.)

Special Features:

- . Mineral insulated cable.
- . Available in various sheath diameters
- . Enclosures (Head) | Weatherproof IP – 67 | Flameproof Gr. IIA, IIB | Explosion proof IIA, IIB, IIC
- . Transmitter output 4 – 20 mA (Optional)

Application:

- . This design is specifically used to measure skin temperature of heater tube or flat surface
- . Our thermocouple assembly will be with weld pad which will be directly welded on heater tube or flat surface
- . Curvature to weld pad will be provided as required by customer
- . Typical applications are measurement of surface temperature of refractory lined vessels, columns, reactors in petrochemical plants and oil refineries and pipelines.



T5-T05 Thermocouple Insert with Terminal Block / SS base plate for temp. transmitter mounting

Special Features:

- . Spring loaded design for positive contact with Thermowell
- . Available in various standard sheath diameters and sheath materials
- . Transmitter output 4 – 20mA (optional)

Application:

- . Used as a spare or replacement thermocouple element in existing Thermocouple assembly with thermowells / protection tubes.



T6-T06 Multi-point Thermocouple Assembly with Protecting Tube

Special Features:

- . Mineral insulation enables flexibility and durability
- . Available in various process connections & sheath diameters
- . Enclosures Junction Box | Weatherproof IP – 67 | Flameproof Gr. IIA, IIB | Explosion proof IIA, IIB, II C

Application:

- . These assemblies are finding application in Refinery and Petrochemical plants which includes catalytic crackers, lime kilns, distillation columns & pressurized reactor vessels.



T19-T19 Tri-Level Thermocouple with Long Thimble

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

Application:

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



T18-T18 Thermocouple for Molten Aluminium (Straight)

Special Features:

- . Assembly with Cast Iron tube for high temp. application
- Thermocouple element is available in different wire sizes.
- . Available in various process connections & sheath diameters
- . Enclosures (Head) | Weatherproof IP – 67 | Flameproof Gr. IIA, IIB | Explosion proof IIA, LLB, II C.

Application:

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



T16 Leaf Type Thermocouple Assembly

Special Features:

- . Exposed junction for fast response
- . Compact design for easy handling
- . This assay may be supplied with hand held digital temp. Indicator to measure temp. In °C
- . This assay. is usually for flat surface skin temp. measurement.



Application:

- . This type is generally used in majority of industry where approximate in process temp. of flat surface is to be measured.
- . Generally used ;n metal industries to measure ;n process temp. of rectangular aluminium rod which ;s to be processed further to make cables.

T10 Thermocouple Insert with Plug & Jack Connector

Special Features:

- . Mineral insulation enables Thermocouples to be used at higher temperatures
- . Thermocouple with adjustable process connection for adjustable insertion length
- . Available in various standard sheath diameters and sheath materials
- . Cold end termination will be with plug and Jack connector for quick disconnection type application.



Application:

- . General industry and for high temperature applications.