

### Connectors

- Plugs and Sockets
- Terminal Blocks
- Compression Glands
- Termination Glands

### General Description

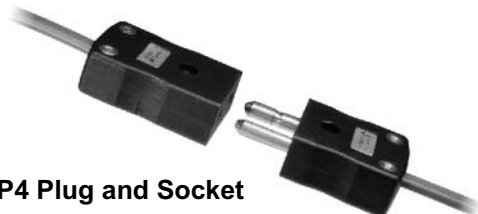
Thermocouple Instruments Ltd can supply a wide range of connectors for use with thermocouples and resistance thermometers. The items described in this Product Data Sheet represent a small sample of the different types available. Please contact sales office for further information.

### Plugs and In-line Sockets

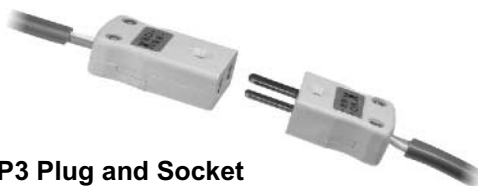
Plugs and in-line sockets are available for use with all types thermocouples and resistance thermometers. Thermocouple plugs may be standard (P4) or miniature (P3) sizes.

Plugs and sockets to suit duplex elements can also be supplied.

A wide range of cable glands and clamps, suitable for most wire and cables, can be specified.



P4 Plug and Socket



P3 Plug and Socket



3PS Plug and Socket (RTD)

### Panel Mounted Sockets

Sockets for panel mounting are available to suit standard and miniature thermocouple plugs.

Round or rectangular versions are available

P4 Panel Socket Round



P4 Panel Socket Rectangular

### DIN Terminal Blocks

Terminal blocks are available in either Ryton or ceramic construction.

The Ryton block is approved by BASEEFA to EEx e II for increased safety applications. Maximum operating temperature is 240°C.

The ceramic terminal block conforms to DIN 43735, and has a maximum operating temperature of 350°C.

Blocks are available with 2,4,6 or 8 (ceramic only) terminal posts.



Ryton Block

Ceramic Block



## Sliding Compression Fittings

Sliding compression fittings for thermocouples and resistance thermometers are available to suit all standard sheath diameters.

Common materials are stainless steel and brass.



| Sheath Diameter | Thread Size |
|-----------------|-------------|
| 1.0             | 1/8" BSPT   |
|                 | 1/4" BSP    |
|                 | 1/4" NPT    |
|                 | 1/2" BSP    |
| 1.5             | 1/8" BSPT   |
|                 | 1/4" BSP    |
|                 | 1/4" NPT    |
|                 | 1/2" BSP    |
| 2.0             | 1/8" BSPT   |
|                 | 1/4" BSP    |
|                 | 1/4" NPT    |
|                 | 1/2" BSP    |
| 3.0             | 1/8" BSPT   |
|                 | 1/4" BSP    |
|                 | 1/4" NPT    |
|                 | 1/2" BSP    |
|                 | 1/2" NPT    |
| 4.5             | 1/4" BSP    |
|                 | 1/4" NPT    |
|                 | 1/2" BSP    |
| 5.5             | 1/4" BSP    |
|                 | 1/4" NPT    |
|                 | 1/2" BSP    |
| 6.0             | 1/4" BSP    |
|                 | 1/4" NPT    |
|                 | 1/2" BSP    |
| 8.0             | 1/4" BSP    |
|                 | 1/4" NPT    |
|                 | 1/2" BSP    |
| 10.8            | 1/2" BSP    |

## Termination Glands

Termination glands (cold end seals) are available to suit all standard sheath diameters. Common materials are stainless steel and brass.

ExD certified glands are also available.



| Sheath Diameter | Thread Size |
|-----------------|-------------|
| 1.0             | M16         |
| 1.5             | M16         |
|                 | M20         |
| 2.0             | M16         |
|                 | M20         |
| 3.0             | M16         |
|                 | M20         |
| 4.5             | M16         |
|                 | M20         |
| 5.5             | M16         |
|                 | M20         |
| 6.0             | M16         |
|                 | M20         |
| 8.0             | M16         |
|                 | M20         |
| 10.8            | M20         |
|                 | M25         |

## Locknuts

Locknuts are available in stainless steel and brass, for metric and imperial thread sizes.

| Metric    | Imperial  |
|-----------|-----------|
| M8 x 1    | 1/8" BSPT |
| M10 x 1   | 1/4" BSP  |
| M16 x 1.5 | 1/2" BSP  |
| M20 x 1.5 | 3/4" BSP  |
| M24 x 1.5 |           |