MULTIPOINT T/C ASSEMBLIES
bendable, spring loaded construction

**Specifications:**

**CONNECTION BOX**
- **Type:** weatherproof or explosion proof type
- **Material:** cast-aluminium
- **Dimensions:** dependent on number of terminals
- **Conduit entries:** specify diameter of holes and quantity
- **Terminals:** rail mounted terminal blocks with thermocouple material contact bars
- **Number of terminals:** two for each thermocouple, extra ground terminals (brass) to be specified if required
- **Max. temperature:** 80 °C (other ratings available)

**EXTENSION**
- **Type:** nipple-union-nipple
- **Nipples:** galvanized carbon steel
- **Union:** galvanized malleable iron
- **Length:** to be specified
- **Process connection:** flanged; material, rating and size to be specified

**MULTICOUPL E INSET**
- **Construction:** mineral insulated (MgO), metal sheathed thermocouples fixed to flexible st. steel support strip; thermocouple tip fixed on spring to provide contact with inner wall of thermowell
- **Position (X) of measuring points:** to be specified
- **Calibration:** all standard types
- **Thermocouple o.d.:** 3.2 mm
- **Hot junction:** grounded or insulated
- **Spring material:** Inconel
- **Total strip length:** 'Xn' + 150 mm
- **Nominal thermowell i.d.:**
  - ø20mm (up to 4 points)
  - ø30mm (up to 8 points)
  - ø40mm (up to 12 points)
  - ø50mm (up to 20 points)

Insert can be bent for easy installation

Thermowell to be specified separately (material, length, approx. inside and outside diameter and process connection)

Contact Thermo Electric office for full specification suitable for your application. Thermo Electric is capable to design constructions on customer specification for each application. Multipoint temperature sensor are available in several explosion proof type construction ATEX or IEC