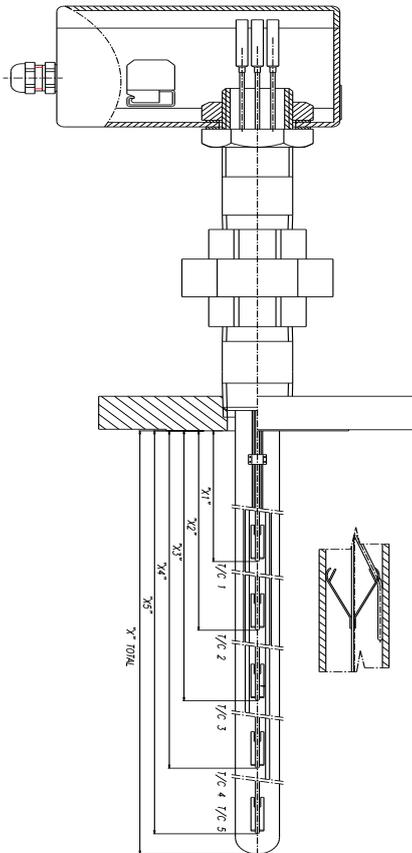


MULTIPOINT T/C ASSEMBLIES

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

MULTICOUPLE 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	: $'X_n' + 150$ mm
Nominal thermowell i.d.	: $\phi 20$ mm (up to 4 points) $\phi 30$ mm (up to 8 points) $\phi 40$ mm (up to 12 points) $\phi 50$ mm (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