

TEMPERATURE SENSORS

low cost temperature protection for heavy duty applications

- TUNNELS
-
- MINING
-
- TRENCHES
-
- VESSELS
-
- CONTAINERS
-
- PROCESS PLANTS
-
- STORAGE AREAS
-
- CONFINED AREAS



compact

Small and easy to install, these sensors provide temperature protection in areas where space is limited.

rugged

Designed for use in harsh working environments and hazardous areas.

choice

Semiconductor sensor or platinum resistance sensors.

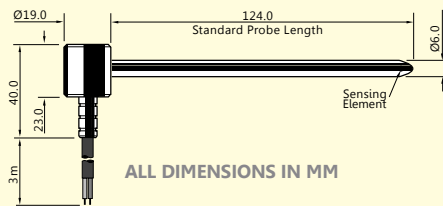
cost-effective

Maximum reliability for machine condition monitoring.

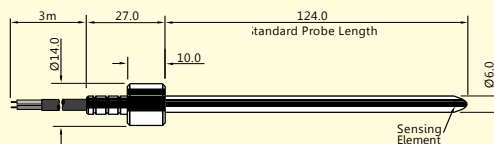
technical and electrical data...

- Standard temperature sensor with choice of angled or in-line header.
- General purpose machine protection.
- Standard probe length is 124mm. (100mm INSERTION depth). Other lengths can be supplied to order.
- Maximum pressure: 100 bar.

TX2071 ANGLED SENSOR PROBE

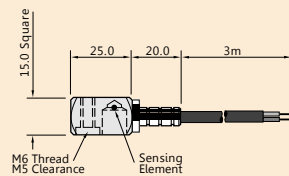


TX2072 IN-LINE SENSOR PROBE



- Surface temperature sensor: transformers, motors, enclosures, brake shoes, bearings, tanks, covers, vessels.

TX2075 SURFACE PROBE



SEMI-CONDUCTOR ELEMENT

0...100°C (11)
Accuracy: 2%
Device: KTY 21-6
R at 25°C = 1000 ohms
OR
0...200°C (12)
Accuracy: 2%
Device: KTY 84
R at 100°C = 1000 ohm

PT100 ELEMENT

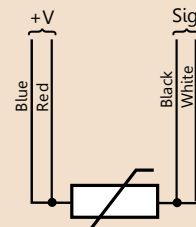
***0...200°C** (13)
Accuracy: 0.1%.
R at 0°C = 100 ohms
R at 100°C = 138.5 ohms
DIN 43760.
BS1904 Class B.
***N.B.** Use part of the span for lower temperature ranges.

CONNECTIONS



3m x 2 core,
1mm² PTFE insulated flexible cable.
Max. Temp: 220°C.

CONNECTIONS



3m x 4 core,
1mm² PTFE insulated flexible cable.
Max. Temp: 220°C.

...simple
safety
monitoring

highly cost-effective, singleway and multiway temperature monitoring modules and systems...



TX9010 Series



TX9030/TX9130 Series



TX9042/TX9044

order reference...

TX2071 ANGLED SENSOR PROBE

TX2072 IN-LINE SENSOR PROBE

TX2075 SURFACE SENSOR

Please specify:

SENSING DEVICE

KTY21-6 • 0...100°C (11)

KTY84 • 0...200°C (12)

PT100 • 0...200°C (13)

Non standard probe lengthmm

Non standard cable length metres

accessories...

CABLE PROTECTION

All temperature probes can be supplied with additional cable protection for arduous operating duty and heavy machinery applications.

High temperature PVC sheathed, flexible conduit provides maximum protection against shock and impact and is completely impervious to dust and fluids.

Supplied complete with compression couplings.

Cable protection is normally factory fitted but can also be fitted on site if preferred.

TX2001 FLEXIBLE CONDUIT



High grade flexible conduit.

Electro galvanised steel spiral with PVC sheath.

Temperature: -20...110°C. Supplied in metre length units.

Please specify length required.

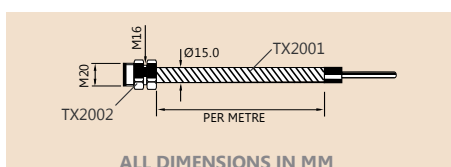
TX2002 COMPRESSION COUPLING



M16 waterproof compression coupling.

Nickel plated brass.

(Supplied with M20/M16 reducer).



ALL DIMENSIONS IN MM

mounting options...

TX2073 MOUNTING BUSH



Mounting Bush with Clamping Ring.

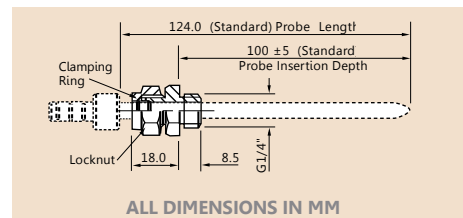
Permits depth adjustment of sensing probe and convenient replacement.

Castings, vessels, housings, bearings, brake shoes, etc.

Maximum Pressure: 100 bar.

Material: Brass.

Probe Length =
Insertion depth +24mm.



ALL DIMENSIONS IN MM

TX2074 MOUNTING POCKET



Thermo Pocket with Clamping Ring.

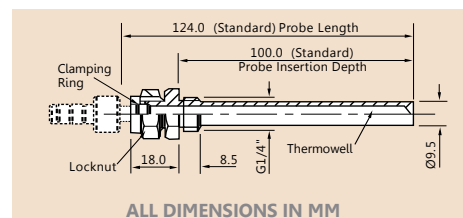
Permits removal of sensing probe when used in vessels and pipes.

Maximum Pressure: 100 bar.

Material: Brass.

Probe Length =
Insertion depth +24mm.

Please specify insertion depth if non standard).



ALL DIMENSIONS IN MM

...simple
safety
monitoring

TROLEX LIMITED
NEWBY ROAD, HAZEL GROVE, STOCKPORT,
CHESHIRE SK7 5DY, UK
+44 (0)161 483 1435
sales@trolex.com
www.trolex.com