

# Melt Temperature Probe Series DYKE

## Description

The Melt Thermocouple Series DYMT is especially designed to meet the requirements of the polymer industry. The flexible design of this series allows the use in extrusion and injection molding processes.

The mounting thread is compatible with the threads used for melt pressure measurement. Therefore the DYMT series is ready for use in most extrusion systems.

As an alternative to the DYMT series, the DYKE series offers the possibility of a thermal insulation of the housing. The sensor tip is being ceramically insulated from the housing.

These temperature sensors are especially suitable for the use in high abrasive media.

## Features

- Rugged design
- Designed especially for the polymer industry
- 1000 bars max. pressure
- Various TC and RTD
- Flush or blade style
- Blade can be positioned in flow direction
- Various threads available
- DYNISCO pressure transducer mounting hole compatible
- Electrical connection: DIN connector (PT100) or 2-wire thermocouple



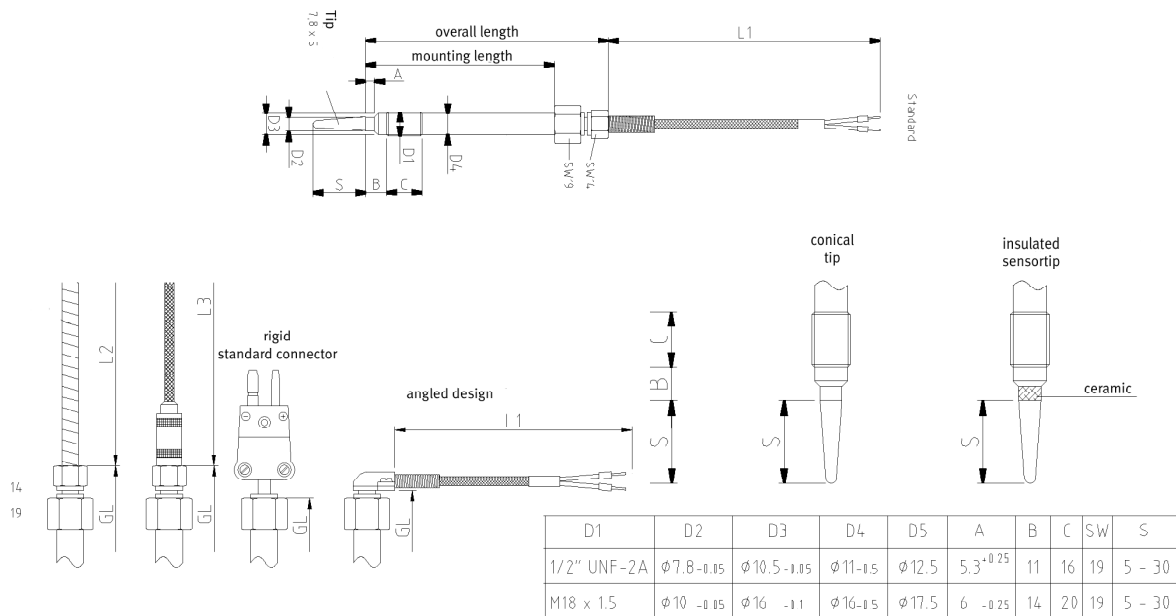
## Technical Data / Operating Data

Thread	1/2"-20 UNF, M18 x 1,5 or M14 x 1,5	Blade length	several lengths from 5 - 25mm, in 5mm-steps available
Stem length	152mm standard, others on request	Sensortip	conical, selectable ceramical insulation
Mounting thread	rotary, if ceramically insulated rigid	Material in contact with media	Mat.No 1.4571

## Electrical Characteristics

Thermocouple	J, K, L, other types on request	Pipe Connection	Straight or 90° angled
RTD	wireable as 2-, 3- or 4-wire	Cable length	150mm, others on request
Connector	IEC-Connector for Thermocouples Lemo-Connector for RTD		Use in hazardous environments with suitable accessory equipment possible

## Dimensions



## Mounting instructions

### Maximum mounting torque 40 Nm!

Under the following conditions:

- Avoid bending during screw into the mounting hole
- During screw out of the outer tube, avoid torsion at the inner tube.
- Before mounting, ensure that the mounting hole is free from plastic residue

## Order specifications

**DYMT - X - XXX - XXXXX - XX - XX - X - X**

### Type

**DYKE** = Series with conical tip

### Mounting Thread

**1/2** = 1/2" 20 UNF 2A

**M14** = M14 x 1,5

**M18** = M18 x 1,5

### Temperature Sensor

**J** = Thermocouple type J acc. DIN IEC 584-1

**L** = Thermocouple type L acc. DIN IEC 584-1

**K** = Thermocouple type K acc. DIN IEC 584-1

**RTD** = RTD

### Option

**F14** = ceramical insulation  
more options upon request

### Pipe Connection

**G** = straight

**W** = 90° angled

### Stem length

**15** = Stem length 152 mm (standard)

Others on request

### Blade length

- = on request, between 5 and 25mm, in 5mm steps)