

## MT30XX SERIES MELT TEMPERATURE SENSOR

### FEATURES

- ◆ Temperature range 0~400℃
- ◆ Tip 0~30mm immersion lengths
- ◆ Flush, Conical or diamond type
- ◆ Ceramic insulated sensor tip available
- ◆ Various thermocouples and RTD
- ◆ Various threads available
- ◆ Various electrical extension types



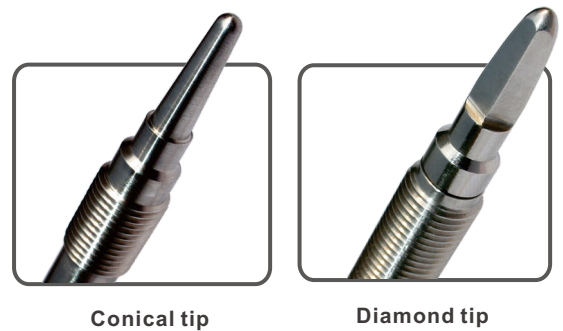
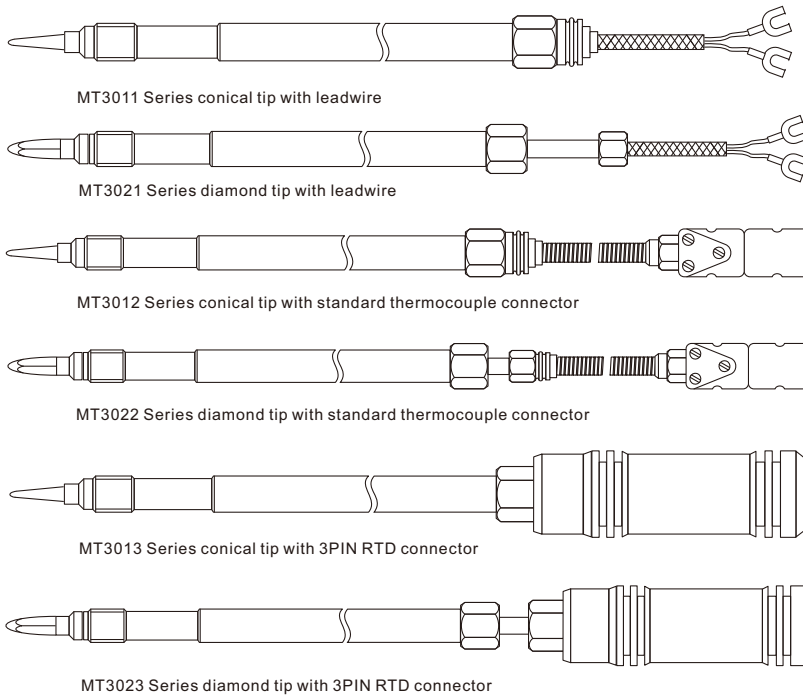
### DESCRIPTION

DWEL offers a variety of robust melt temperature sensors which are especially designed to measure temperature in the melt steam for the extrusion and polymer processing industries. Sensors feature the quick response time, high accuracy and stable measurement with the robust construction and the special design of the measuring element. An selectable advanced ceramic insulation measuring tip provide the high-performance and precise temperature measurement.

### SPECIFICATIONS

|                            |                                                                     |
|----------------------------|---------------------------------------------------------------------|
| Range                      | 0~550 ℃ (1000℉ )                                                    |
| Accuracy                   | 0.25%FS,0.5%FS                                                      |
| Temperature types          | Thermocouple J, K, E<br>RTD                                         |
| Process connection         | 1/2"-20UNF,M18X1.5                                                  |
| Electrical connection      | Direct cable connection<br>2PIN for thermocouple<br>3PIN for PT100, |
| Measuring tip length       | 0mm~30mm                                                            |
| Measuring tip shape        | Conical style<br>Diamond style<br>(Optional ceramic isolation)      |
| Rigid stem length          | Standard 150mm<br>Others on request(Max 450mm)                      |
| Flexible/lead cable length | Standard 50mm<br>Others on request (Max 3000mm)                     |

### DESCRIPTION



### ORDERING GUIDE

MT 30XX-XX-X-XX/XX-X

#### Style

1=Conical tip  
2=diamond tip

#### electric Connection

1=cable with free ends  
2=Armored stem with TC plug  
2F=Armored stem with free ends  
3=3PIN PT100

#### Process connection

1/2-20=1/2"-20UNF  
M10=M10X1.0  
M12=M12X1.5  
M14=M14 X 1.5  
M18=M18 X 1.5  
M22=M22X1.5  
PF3/8=PF3/8"  
G3/4=G3/4"  
Other sizes on request

#### Tip length

0=flat membrane  
5=5mm  
10=10mm  
15=15mm  
20=20mm  
Other sizes on request

#### Thermocouple

Null=No thermocouple  
J=J type  
K=K type  
E=E type  
Pt100=Pt100

#### Flexible stem length

None=0  
460=460mm(18")  
760=760mm(30")  
Other size on request

#### Rigid stem length

150=150mm(6")  
76=76mm(3")  
100=100mm(4")  
228=228mm(9")  
305=305mm(12")  
Other sizes on request