

MT SERIES

MELT TEMPERATURE SENSOR

FEATURES

- ⊙ Temperature range 0~400°C
- ⊙ 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



INTRODUCTION

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	0~400°C
Accuracy	0.25%FS, 0.5%FS
Temperature type	Thermocouple type J, K, E, RTD PT100
Process connection	1/2-20UNF, M18x1.5
Electrical connection	Cable extension, 2pin for thermocouple, 3pin for PT100
Insulation type	Isolated
Measuring tip length	0~30mm
Measuring tip shape	Conical style,diamond style, ceramic isolation optional
Rigid stem length	Standard 150mm, Others on request, maximum 450mm
Flexible stem length	Standard 50mm, Others on request, maximum 3000mm

DRAWING



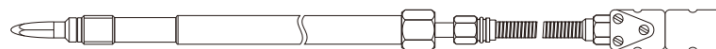
MT3011 Series conical tip with leadwire



MT3021 Series diamond tip with leadwire



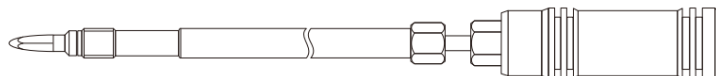
MT3012 Series conical tip with standard thermocouple connector



MT3022 Series diamond tip with standard thermocouple connector



MT3013 Series conical tip with 3PIN RTD connector



MT3023 Series diamond tip with 3PIN RTD connector



Conical tip



Diamond tip

ORDER FORMAT

MT3012 - 1/2 - 10 - 6/18 - J

Tip style	Code
Conical tip	1
Diamond type	2

Electrical connection	Code
Cable with free ends	1
Armored stem with TC plug	2
Armored stem with free ends	2F
PT100 3PIN	3

Process connection	Code
1/2"-20UNF	1/2
M14 X 1.5	M14
M18 X 1.5	M18
M22X1.5	M22
Other sizes on request	

Tip length	Code
Flat membrane	0
5mm	5
10mm	10
15mm	15
20mm	20
30mm	30

Code	Temperature type
J	Type J
K	Type K
PT100	PT100

Code	Flexible stem length
Null	4~20mA
7	180mm(7")
18	460mm(18")
Other sizes on request	

Code	Rigid stem length
6	152mm(6")
3	76mm(3")
4	100mm(4")
9	228mm(9")
12	305mm(12")
Other sizes on request	