

WRNT203 SERIES

TEMPERATURE SENSOR

FEATURES

- ◎ Various temperature ranges
- ◎ Fast Response & accurate measurement
- ◎ Various electrical connection types
- ◎ Various installation types



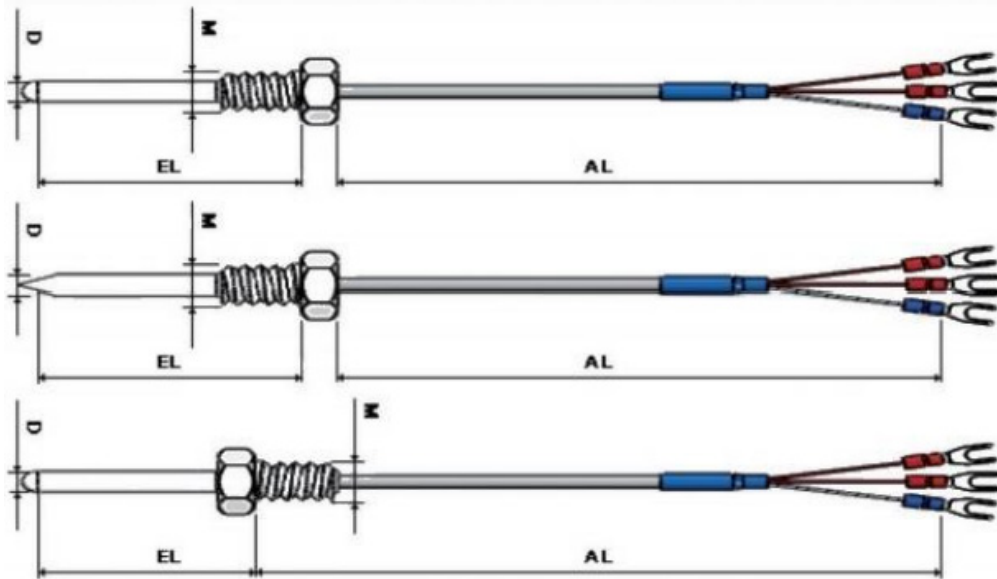
INTRODUCTION

The WRNT Series offers a comprehensive range of high-performance temperature sensors, including both thermocouples and RTDs, designed for a wide array of industrial applications. These sensors are engineered for precise temperature measurement, reliable operation, and ease of use in environments such as plastic extrusion machines, packing machines, textile machines, food processing machines, and more. With a temperature range of -80° C to 400° C, the WRNT Series is ideal for monitoring and controlling processes across various industries.

SPECIFICATIONS

Parameters	Specifications
Temperature type	Thermocouple: S/R/B/K/E/J/N/T RTD: PT100 PT1000 PT200 PT500.....
Accuracy	RTD: A, B, C, 1/3B Thermocouple: Class 1, Class 2
Temperature range	Thermocouple: -200~1800°C RTD: -200~850°C
Thread size	M8X1.25, M10X1.5, G1/2, others on request
Diameter(D)	2,3,4,5,6,8,10 to 20mm, others on request
Measuring tip length(EL)	10~2000mm, others on request
Cable length(AL)	0.5m, 1m, 2m, 3m, 5m...others on request
Grounding	non-grounded type(insulated type), isolated type
Adaptor material	Cooper
Terminal type	U-type, pin terminal, aviation plug, others on request

DRAWING



ORDER FORMAT

WRNT203 - J - 1 - M8 - 8*15 - 2 - N - 2

Temperature type	Code	Code	Terminal type
RTD PT100	PT100	1	Cable ends
RTD PT1000	PT1000	2	U-type
Thermocouple J	J	3	Pin terminal
Thermocouple K	K	4	aviation plug
...	...		

Accuracy	Code	Code	Shield
Class A	A	S	Shield
Class B	B	N	No shield
Class C	C		
Class 1	1		
Class 2	2		

Thread size	Code	Code	Cable length(AL)
M8X1.25	M6	0.5	0.5m
M10X1.5	M8	1	1m
M10X1.5	M10	2	2m
Others on request		...	...

Diameter	Code	Code	Probe length (EL)
2mm	2	10	10mm
3mm	3	15	15mm
4mm	4	20	20mm
...	...	30	30mm
20mm	20	...	...

Example:

WRNT203-J-1-M8-8*15-2-N-2

WRNT203 series type J thermocouple, accuracy class 1, M8x1.25 thread, probe diameter 8mm, probe length 15mm, cable 2m, no shield, U-type terminal ends