Main specifications

▼Temperature range
0 ~ 850℃ (Type K)
0 ~ 1600℃ (Type S)
Please refer to the
temperature range table

▼Process connection
Material: SS316
G1/4 , M20
Other specifications can be
customized

▼Stem
Outer diameter: Φ4mm ,
Φ6mm , Φ8mm , Φ10mm
Length can be customized
according to requirements

▼Applicable fluids
Liquid and gas that
compatible with SS316

▼Protection level
IP 67

Other specifications

▼Case
SS 316

▼Output signal
Thermocouple output mV /
4~20mA

▼Transmission distance
≥1km

▼Accuracy level
Level I / Level II

Thermocouple
Model: TC-S302
Introduction

The TC-S302 thermocouple is an industrial temperature measurement sensor that uses contact temperature measurement. It has high accuracy and can directly measure liquids, vapors, and gases within the range of 0 to 1600℃. Standardized thermocouples such as type K or type S can be selected to meet industrial usage requirements. The probe and housing are made of SS 316, making it sturdy, corrosion-resistant, and stable and reliable for long-term use.

Features

- ■ Integrated design with a compact structure
- ■ Electrodes made of rare precious metal materials
- ■ Measurement range selectable from 0 to 1600℃
- ■ High temperature accuracy and fast response speed
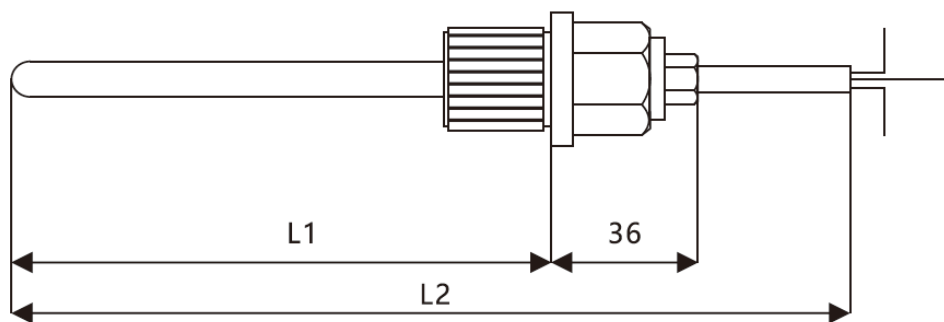- ■ Both the casing and the probe are made of SS316

Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the

Temperature Range Table

Code	Name	Accuracy Level	Temperature Range
K1	K type thermocouple (positive electrode nickel chromium, negative electrode nickel silicon)	Level I	0~375℃
K2			375~850℃
K3		Level II	0~333℃
K4			333~850℃
S1	S type thermocouple (positive electrode platinum rhodium 10, negative electrode pure platinum)	Level I	0~1100℃
S2			1100~600℃
S3		Level II	0~600℃
S4			600~1600℃

Dimension

Insertion depth L1 (including thread length)

Total length L2 (including cable length)

Unit: mm

How to order

TC-S302	Thermocouple							
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
A	Process connection	G2	G1/4	M20	M20	O	Others	–	–

Custom	Temperature range	Please refer to the temperature range table and select the appropriate code						

6	Measuring rod diameter	4	Φ4mm	6	Φ6mm	8	Φ8mm	10	Φ10mm

Custom	Measuring rod length	Length can be customized as required (mm)						

V	Output signal	V	mV	mA	4-20mA	–	–	–	–

N	Compensation wire (optional)	N	No	Y	Yes	–	–	–	–

N	Protection sleeve diameter (optional)	N	No	10	10mm	12	12mm	16	16mm

/B	Other requests	/A	Third party notarized document
		/B	Inspection report (issued by Re-Atlantis)
		/C	Tag

Order example: TC-S302 - K2 - A - 6 - (30mm) - V - N - N - /B