Expendable Thermocouple — Tips

Application

We manufacture a variety of models for various requirements, such as type 602, 604A & 604B. The thermocouple tips are available in a range of calibrations. The junctions are:

- Platinum & Platinum 10% Rhodium (Type S)
- Platinum & Platinum 13% Rhodium (Type R)
- Platinum 6% Rhodium & Platinum 30% Rhodium (Type B)

The Platinum & Platinum alloy wires are housed in a quartz tube capable of withstanding temperatures of up to 1800℃.



602 604A 604B

Technical Data

Order Code	Successful Test Rate	Response Time	Calibration	Tolerance	Max. Temperature
604A 604B	> 98%	2s~5s	S: PtRh 10% --Pt	1.5℃	1760℃
			R: PtRh 13% --Pt	1.5℃	1760℃
			B: PtRh 30% -- PtRh6%	4℃	1820℃
602			W: Wre 3% --Wre 25%	0.25%t	1800℃

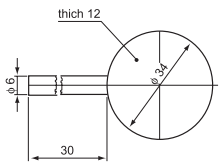
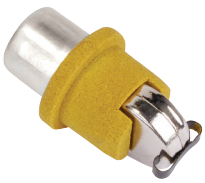
Protective Tube	Internal Diameter (ID)	Length	Material
Paper Tube	28.2±0.2mm	As per customer's requirement up to 1800mm	Paper
	19.1±0.2mm		
	18.2±0.2mm		

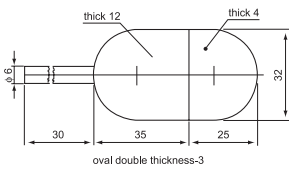
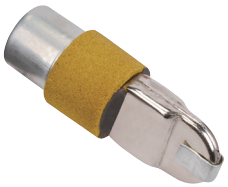
Protective Cap	Material
Metal Cap	Al
	Cu
	Fe

— Sampler

Application

Spoons are available in a variety of thicknesses and diameters and in 2 distinct shapes, such as Round & Oval double thickness.

Round Simple Thickness	Dimensions	
 Diameter: 32mm Thickness: 12mm		

Oval Double Thickness	Dimensions	
 Oval Size: 60mm/32mm Thickness: 12mm/4mm		

These samplers are available both with and without the deoxidants of Aluminum, Titanium and Zirconium, as per the requirement of the customer.

ZONZEN

Expendable Thermocouple —Contact Block

2 Wires Contact Block for thermocouple type “S” & “R”- ϕ18MM (3/8”)

Specification

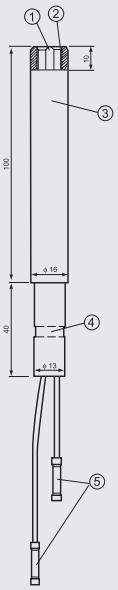
① **Negative thermocouple contact**
Type “S” & “R” copper alloy 11, 3.15mm diam

② **Positive thermocouple contact**
Type “S” & “R” pure copper, 9.65mm diam.

③ **External body**
Steel or Copper

④ **Lock hole, 3 mm diam**

⑤ **Connection of the insulating cables**
Red color = - thermocouple signal
Black color = + thermocouple signal
The cotact block is internally filled with an insulating resin





ZZ-CTJ-2L

ZZ-CTJ-2S

ZZ-CTJ-C2L

ZZ-CTJ-C2S

4 Wires Contact Block for thermocouple & oxygen probe type “S” & “R”- ϕ18MM (3/8”)

Specification

① **Negative thermocouple contact**
Type “S” & “R” copper alloy 11, 3.15mm diam

② **Positive thermocouple contact**
Type “S” & “R” pure copper, 9.65mm diam

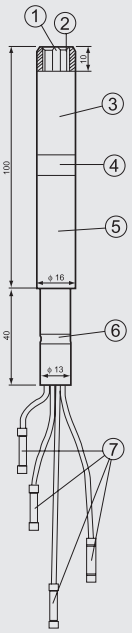
③ **External body-Higher part (O2 neg. contact)**
Steel

④ **Insulation part**
PTFE material

⑤ **External body-Lower part**
Steel

⑥ **Lock hole, 3 mm diam**

⑦ **Wires cable connection**
Red color = - thermocouple signal
Black color = + thermocouple signal
White color = O2 - signal
Yellow color = O2 + signal
The cotact block is internally filled with an insulating resin





ZZ-CTJ-4S

ZZ-CTJ-4L