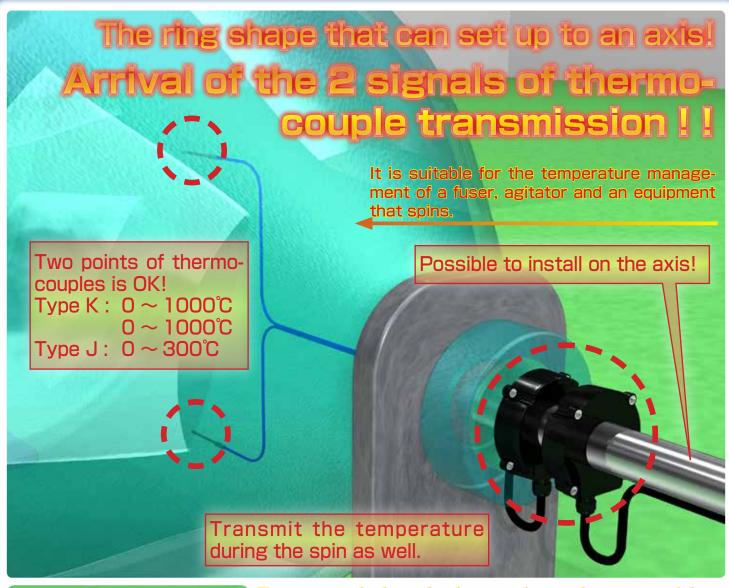
Remote sensor system 2 signals of thermocouple transmission Ring shape





Because it is wireless, there is no problem in the blurring at the time of the turn!

The turning equipment including a stirrer and the fuser have a big centrifugal force and may break a collector ring or a connector by the blurring at the time of the turn. Because it wirelessly transmits, there is no problem of the blurred in remote system. Of course, the thermometry is possible while turning and can also be continuously rotating to the same direction.

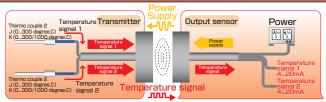
Advantage of ring shape

The temperature signal of the thermocouple transmits while spinning!

- O Suitable for the substitution of the slip ring
- O Because there is not a slide part, high-speed movement is possible!

Communications distance 15mm, axis gap +-15mm* Two different kinds, inside diameter ϕ 50 and ϕ 100! Please advice if it doesn't suit correctly.

Construction of the system



The output sensor connects an input apparatus to a power supply and connects a temperature sensor to the transmission department. A transmitter is driven by wireless feeding when facing, and temperature signal of two points of thermocouples transmits to the output sensor. The output part signals temperature a current signal (4)...I output it in 20mA).

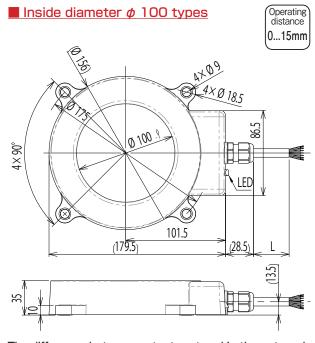
Inside diameter φ 50 types Operating distance 0...8mm Operating distance 0...8mm LED (113)

The difference between output part and in the external form transmitter is presence and a cable of the LED. The other dimensions levels are the same.

	Output sensor
Type code	RS02E-R01E-PU-02
Supply voltage	24V DC ± 5% (incl. ripple)
Current consumption	≦ 150mA
LED (indication)	InZone (data valid)
Output	420mA x 2 signals
Load current	≤ 400 Ω
Resolution	0.04% Full-scale range
Response delay	≤ 0.5 sec.
Cable	PUR / φ 5 , 4x0.25mm ²

Transmitter				
Type code Thermocouple	RS02T-R01-K1000	RS02T-R01-K300	RS02T-R01-J300	
No. of Input signals	2 signals			
Operating distance	08mm			
Center offset	± 8mm			
Applicable sensor	JIS Thermocouple K		JIS Thermocouple J	
Measuring range	01000°C	0300℃	0300℃	
Compensated cold junction	≦± 0.5℃			
Cable	Compensating lead wire(JIS) 0.9mm x 2 All heat-resistant vinyl (90°C)			

Common specifications		
Operating temperature	0+50℃	
Remark	This product is the CE non-acquisition	



The difference between output part and in the external form transmitter is presence and a cable of the LED. The other dimensions levels are the same.

Output sensor		
Type code	RS02E-R03E-PU-02	
Supply voltage	24V DC \pm 5% (incl. ripple)	
Current consumption	≦ 150mA	
LED (indication)	InZone (data valid)	
Output	420mA x 2 signals	
Load current	≤ 400 Ω	
Resolution	0.04% Full-scale range	
Response delay	≤ 0.5 sec.	
Cable	PUR / φ 5 , 4x0.25mm ²	

	Transmitter			
Type code Thermocouple	RS02T-R03-K300			
No. of Input signals	2 signals			
Operating distance	0 9mm (with metal shaft)	015mm (No metal shaft)		
Center offset	0 8mm (with metal shaft)	015mm (No metal shaft)		
Applicable sensor	JIS Thermocouple K			
Measuring range	0300℃			
Compensated cold junction	≦± 0.5℃	-		
Cable	Compensating lead wire(JIS) 0.9mm x 2 All heat-resistant vinyl (90°C)			

Common specifications		
Operating temperature	0+50℃	
Remark	This product is the CE non-acquisition	

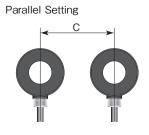
Installation notes

In order to avoid influence of surrounding metal, or to avoid mutual influence between parallel-mounted sensors, keep the minimum free zone as described below.

Type code	Α	В	С]
RS02T-R01-K1000、RS02T-R01-K300、RS02T-R01-J300 RS02E-R01E-PU	100	35	300	
RS02T-R03-K300 RS02E-R01E-PU	200	35	400	(mm)

AĴ

Surround Metal



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