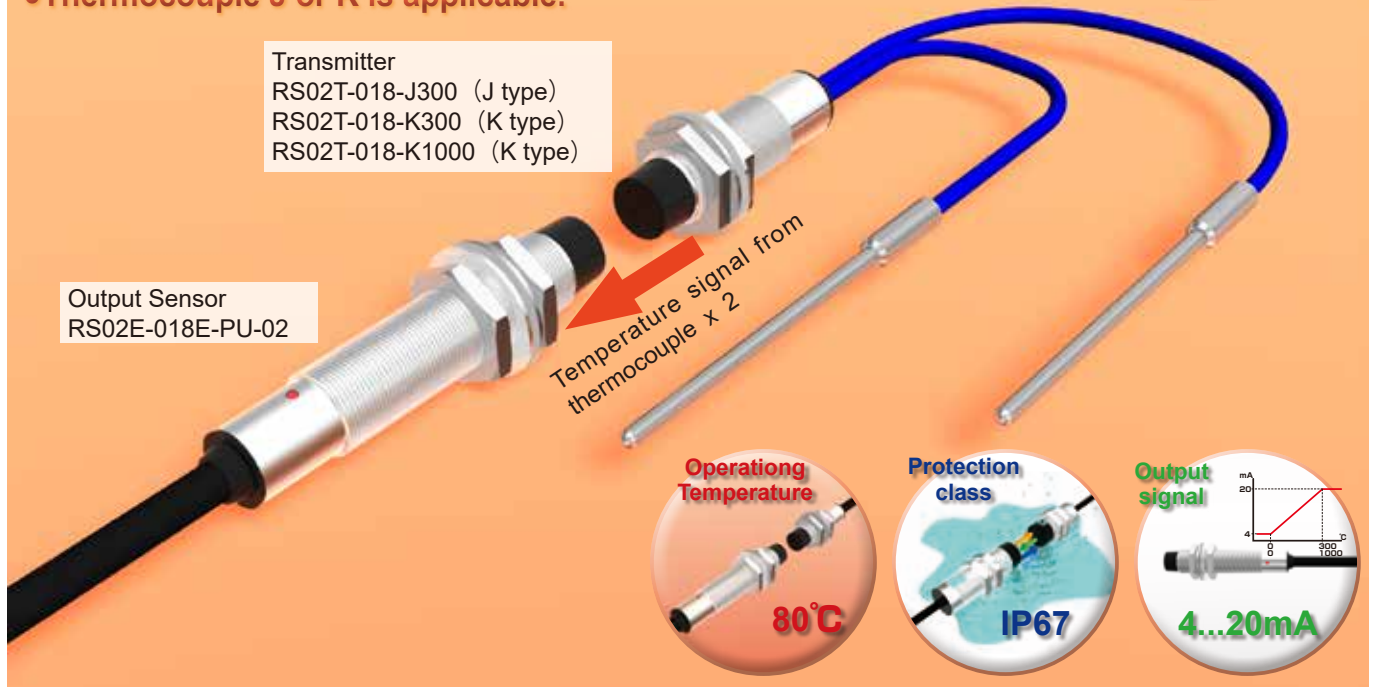
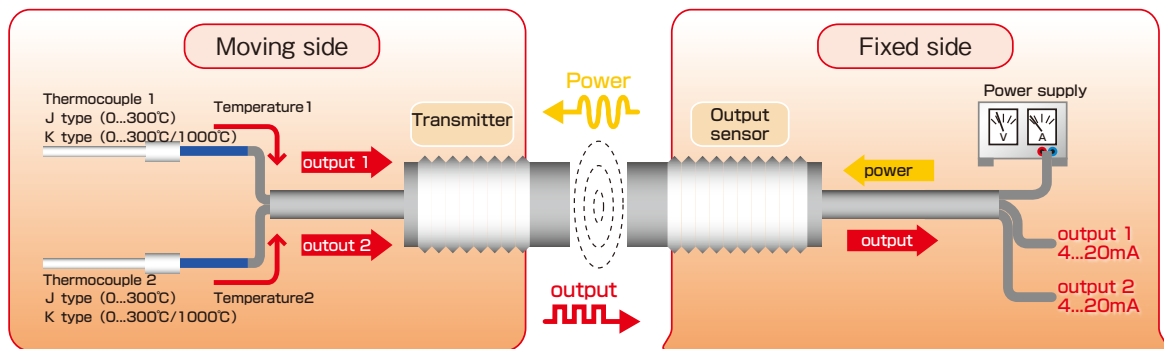


## Wireless transmission of Two thermocouple outputs!

- Two outputs are transmitted at the same time.
- Thermocouple J or K is applicable.

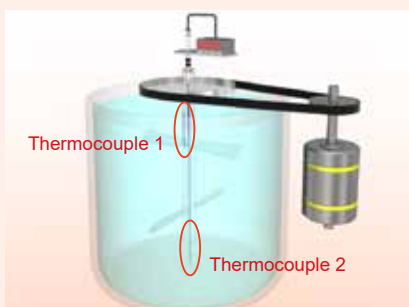


RS02T/RS02E transmits two temperature signals at the same time and outputs them parallel.



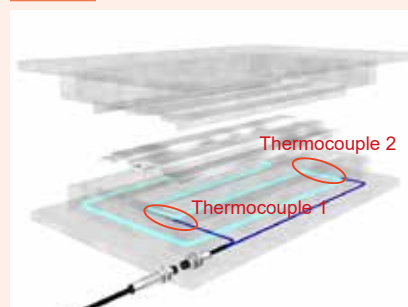
### Application

#### Monitoring of the inside temperature of themixer



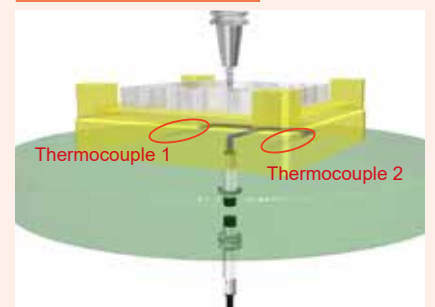
Temperature at the upper part and the lower part of the mixer are measured while the mixer turning.

#### Temperature management of the die



Confirming whether the circulating water inside of the die is a proper temperature or not.

#### Confirmation of temperature in MC



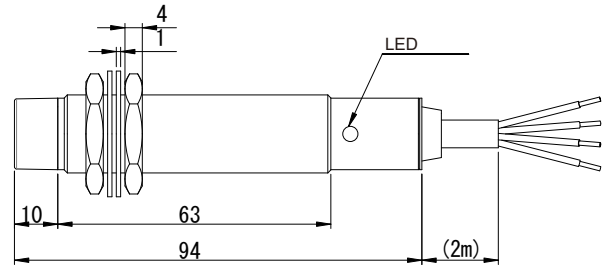
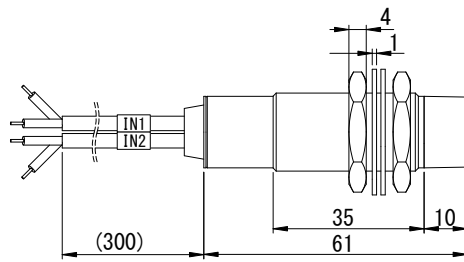
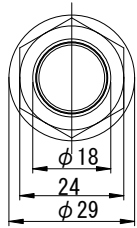
Confirming the temperature of the workpiece on the turntable while the table turning.

Size **M18** Distance **1...4mm**

Transmitter : RS02T-018-J300  
RS02T-018-K300  
RS02T-018-K1000

Output Sensor : RS02E-018E-PU

A067



2 Compensation lead wire, outer diameter 3.2 x 5.1 mm  
2 conductor, phi 0.9 mm  
RS02T-018-J300 : outer sheath color Yellow (JX-G:7/0.3x2 J)  
RS02T-018-K\_\_\_ : outer sheath color Blue (VX-G:7/0.3x2 K)

Transmitter	
Type code	J type <b>RS02T-018-J300</b> K type <b>RS02T-018-K300</b> <b>RS02T-018-K1000</b>
Rated transmitting distance	1...4 mm
Center off-set	± 2.5 mm
Input channel	2 (1CH, 2CH)
Applicable thermal sensor	Thermocouple per JIS, J or K
Measuring temperature range	J type RS02T-018-J300 : 0...300 deg. C
	K type RS02T-018-K300 : 0...300 deg. C
	RS02T-018-K1000 : 0...1000 deg. C
Compensated cold junction	± 0.5 deg. C
Operating Temperature	0...+80 deg. C
Protection class	IP 67
Cable	Compensation lead wire(JIS) phi 0.9 mm x 2 All heat-resistant vinyl (90 deg. C)
Material	Housing Nickel plated brass
	Active surface Nylon12

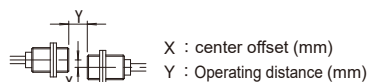
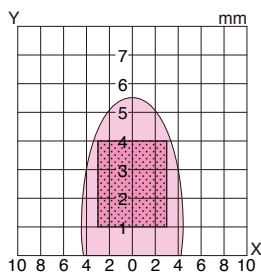
Output Sensor	
Type code	<b>RS02E-018E-PU-02</b>
Supply voltage	24V DC ± 5 % (include ripple)
Current consumption	≤ 150 mA
Output	4 ... 20 mA × 2 ch (current source)
Load resistance	≤ 400 Ω
Resolution	≤ 0.04 % FSR
Response speed	≤ 0.5 sec.
Linearity	≤ ± 0.8 % FSR
LED	INZONE (data valid)
Operating Temperature	0...+80 °C
Protection class	IP 67
Cable	PUR, φ 5 mm /4 x 0.2 5mm <sup>2</sup>
Material	Housing Nickel plated brass
	Active surface Nylon12

Notes

- Please use thermocouple J or K type that meets JIS.
- Temperature range is allowed  
RS02T-018-J300 : 0...300°C  
RS02T-018-K300 : 0...300°C  
RS02T-018-K1000 : 0...1000°C
- Output is current source, connect the load between output and GND.

Typical Transmitting Diagram (supply voltage at 24V / non-flush mount)

RS02T-018-\_\_\_ / RS02E-018-PU-\_\_

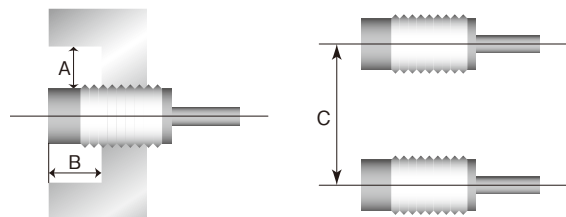


rated value

Mounting

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

Influence of surrounding metal      Mutual interference



Type code	A(mm)	B(mm)	C(mm)
RS02T-018-J300	20	15	110
RS02T-018-K300			
RS02T-018-K1000			
RS02E-018-PU-__			

Wireless Power Supply by **B & PLUS K.K.**

Mail : b-plus-usa@b-plus-kk.com  
Web : http://www.b-plus-kk.com

\* Contents is subject to change without notice.