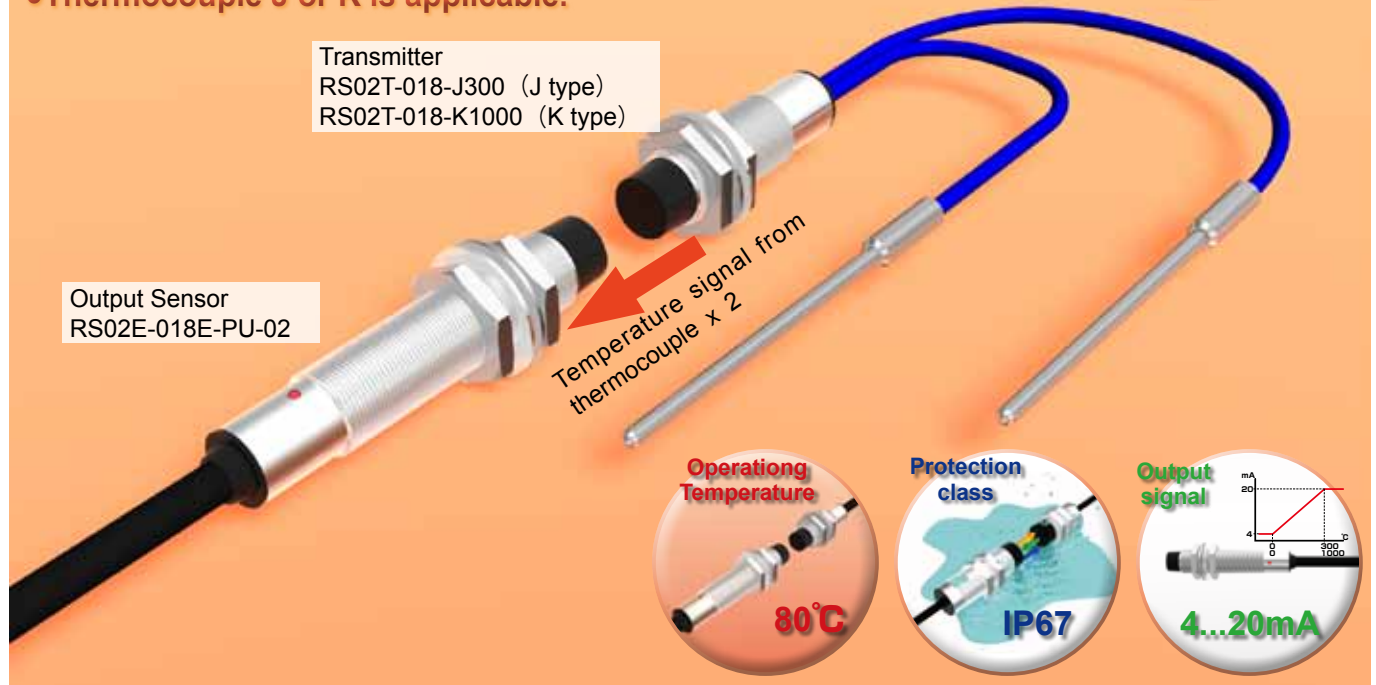


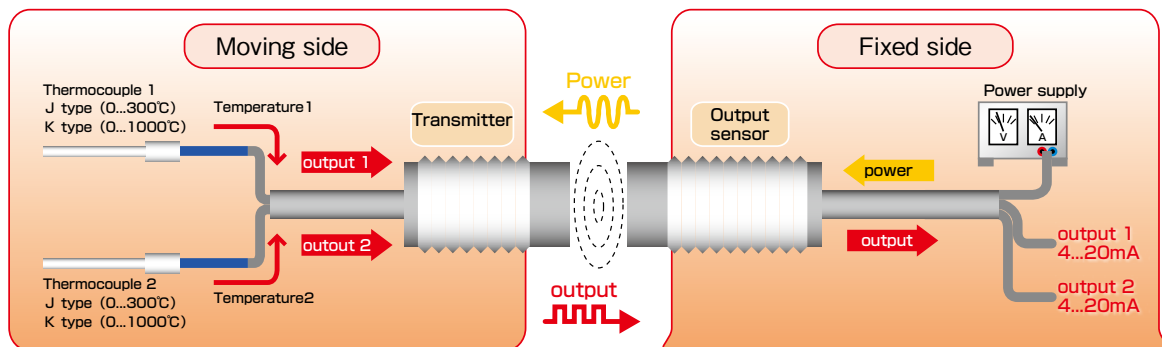
Wireless transmission of Two thermocouple outputs!

Remote system
for
Thermocouple J or K
2 signal transmission

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

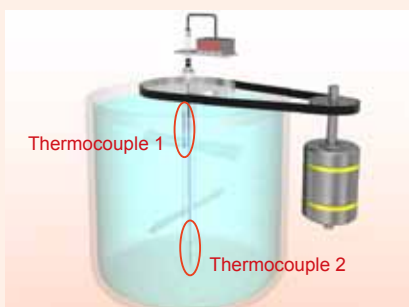


RS02T/RS02E transmits two temperature signals at the same time and outputs them parallel.



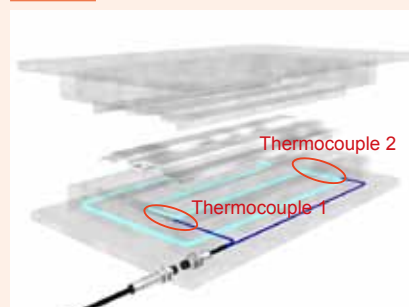
Application

Monitoring of the inside temperature of themixer



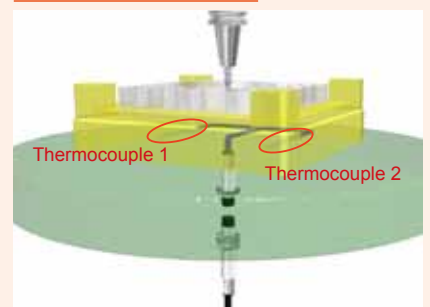
Temperature at the upper part and the lower part of the mixer are measured while the mixer turning.

Temperature management of the die

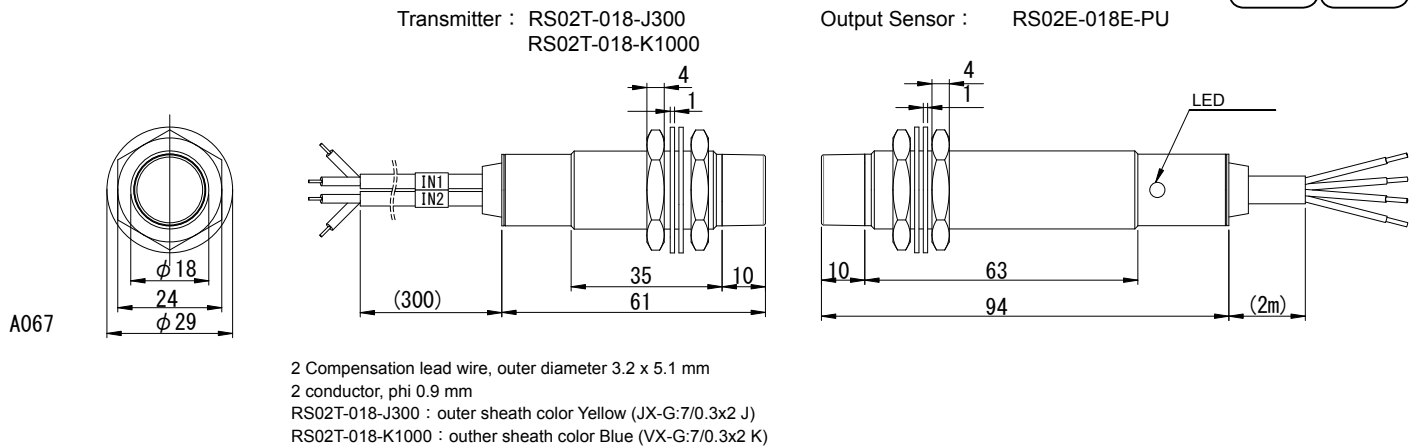


Confirming whether the circulating water inside of the die is a proper temperature or not.

Confirmation of temperature in MC



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



Transmitter			Output Sensor	
Type	J type	RS02T-018-J300	Type	RS02E-018E-PU-02
code	K type	RS02T-018-K1000	code	
Rated transmitting distance		1...4 mm	Supply voltage	24V DC $\pm$ 5 % (include ripple)
Center off-set		$\pm$ 2.5 mm	Current consumption	$\leq$ 150 mA
Input channel		2 (1CH、2CH)	Output	4 ... 20 mA $\times$ 2 ch (current source)
Applicable thermal sensor		Thermocouple per JIS, J or K	Load resistance	$\leq$ 400 Ω
Measuring temperature range	J type	RS02T-018-J300 : 0...300 deg. C	Resolution	$\leq$ 0.1 % FS
	K type	RS02T-018-K1000 : 0...1000 deg. C	Response speed	$\leq$ 0.5 sec.
Compensated cold junction		$\leq \pm 0.5$ deg. C	Linearity	$\leq \pm 0.8$ % FS
Operating Temperature		0...+80 deg. C	LED	INZONE (data valid)
Protection class		IP 67	Operating Temperature	0...+80 °C
Cable		Compensation lead wire(JIS) phi 0.9 mm x 2	Protection class	IP 67
		All heat-resistant vinyl (90 deg. C)	Cable	PUR、 ϕ 5 mm /4 x 0.2 5mm ²
Material	Housing	Nickel plated brass	Material	Nickel plated brass
	Active surface	Nylon12		

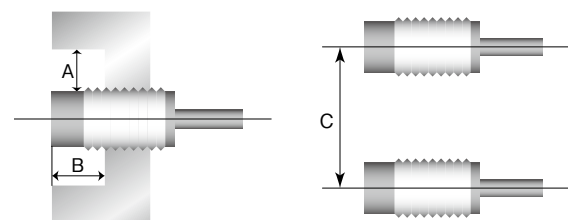
Notes

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

Mounting

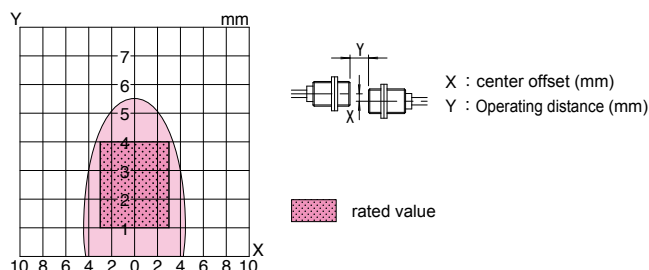
In order to avoid influence of surrounding metal or mutual interference between parallel-mounted sensors, keep minimum free zone as described below;

Influence of surrounding metal Mutual interference



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

RS02T-018-___ / RS02E-018-PU-__



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

B & PLUS K.K.

274 Gomyo Tokigawa-machi
Hiki-gun Saitama 355-0343 Japan
E-mail : b-plus@b-plus-kk.jp

<http://www.b-plus-kk.jp>

USA Branch

3940 Olympic Blvd. Suite 400
Erlanger, KY 41018
E-mail : b-plus-usa@b-plus-kk.com

<http://www.b-plus-kk.com>

*Specification is subject to change without notice.