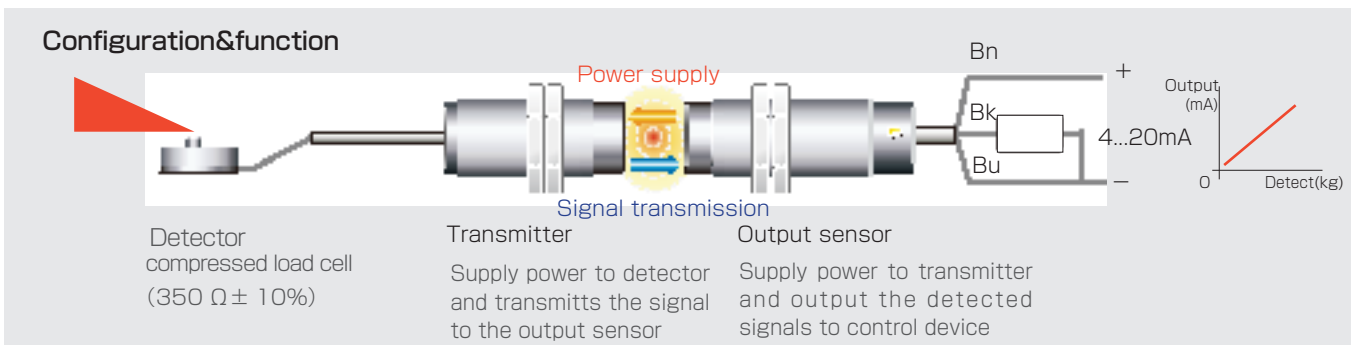


Simultaneously supplies the power & transmits signals of the load cell

Analog signal transmission for load cell specification

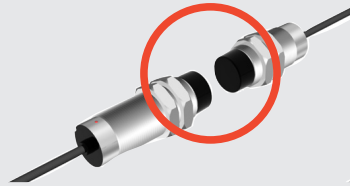


**Merits of the Remote sensor system**

No wiring to moving part



Noncontact power supply & signal transmission

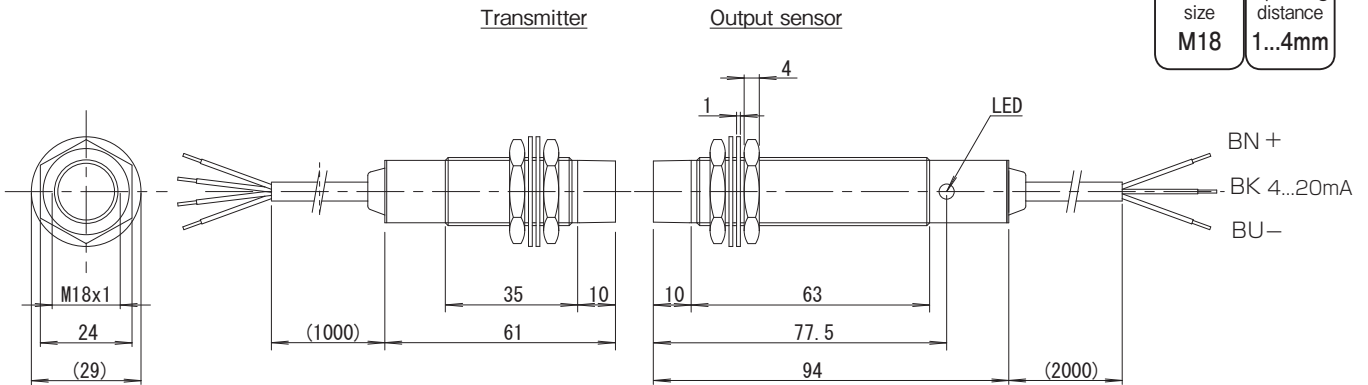


No connection work



### Load cell specification

size <b>M18</b>	Operating distance <b>1...4mm</b>
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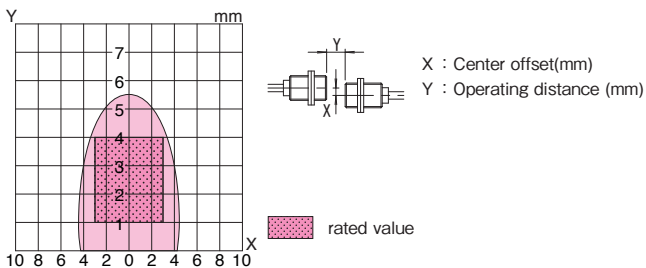
A040

Transmitter			
Type	1mV/V	RNT-1804-LC10-PU-01	
	1.5mV/V	RNT-1804-LC15-PU-01	
	2mV/V	RNT-1804-LC20-PU-01	
No. of input signal	1		
Operating distance	1...4mm		
Center offset	± 2.5mm		
Input sensitivity	1mV/V	1.5mV/V	2mV/V
Resolution	≤ 1%	≤ 0.75%	≤ 0.5%
Operating Temperature	0...+60°C		
Protection class	IP67		
Cable	PUR / φ 5 , 3x0.34mm <sup>2</sup>		
Material	Housing	Nickel plated brass	
	Active face	Nylon 12	
Note	Use compressed load cell (350Ω ± 10%) as a detector		

Output sensor		
Type	RTE-1804E-PU-02	
Output current	4...20mA	
Operating voltage	24V DC ± 5% (including ripple)	
Current consumption	≤ 150mA	
No. of output signal	1	
Output	4...20mA	
Resolution	≤ 0.5...1% (depending on input sensitivity)	
Frequency of operation	≤ 0.5 sec.	
LED	INZONE	
Operating Temperature	0...+60°C	
Protection class	IP67	
Cable	PUR / φ 5 , 3x0.34mm <sup>2</sup>	
Material	Housing	Nickel plated brass
	Active face	Nylon 12
Note	Current output is current source, Load is connected between output and - .	

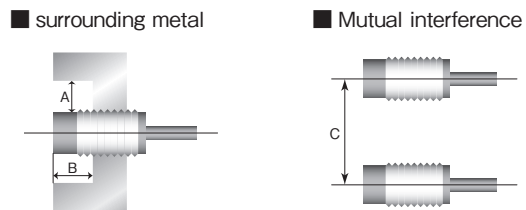
### Typical transmitting diagram (supply voltage at 24V/non-flush mounted)

RNT-1804-LC\_ \_PU / RTE-1804E-PU



### Mounting

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



Type	A(mm)	B(mm)	C(mm)
RNT-1804-LC_ _-PU- _ _	20	15	110
RTE-1804E-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.