## GS & BS sensors

## **SPECIFICATIONS**

Signal Code

Length

Model		
r.		
Resolution	10 µm	1μm
Response Speed	1 m/sec	0.2 m/sec
Measurement Force	1.47N (150gf) or less (If the dustproof rubber boot is removed, the force will be reduced to 0.98N (100gf) or less)	
Power Supply Voltage	4.5~6VDC	
Consumption Current	Approx 30mA at 5VDC	Approx 70mA at 5VDC
Output Signal	Phase difference square wave form Phase difference: $90^{\circ}\pm20^{\circ}$ (at 5VDC) Hi : 4.5V or more (at no load condition) Lo: 0.4V or lessP= $40\mu$ m Sig. 1P= $4\mu$ m Sig. 2(When the spindle is pushed in) (When the spindle is pulled out)	
Connector Pin Arrangement	Connector Type: R03-PB6M  Sensor or AMP BOX  Connector  Sig. 1  White  Blue  A  Power IN(+)  Black  Common Power IN(-)  Green  Case Shield	Sig 1 Sig 2 Power out (+)  Common Power out (-)  Common Power out (-)
Operating Temperature	+5 ℃~+40 ℃	
Storing Temperature	-10℃~+55℃	

1.9m between sensor and counter

1.9m between sensor and AMP BOX

10cm between AMP BOX and counter