

Magnetic Sensor Specification

System Data	
Reading type	Radial reading(standard) / Axial reading(option)
Resolution	23 bit = Less than 0.16 arcsec (0.000043 deg)
Maximum speed	> 10,000 rpm
Encoder accuracy	16 bit = Less than 20 arcsec (0.0055 deg)
Final system accuracy	16 bit, Self-tuning by adaptive learning on running
Hysteresis	Less than unit of accuracy
Repeatability	Better than unit of accuracy
Communication (Dual interface)	Wireless : Bluetooth 5.0, Max. 2Mbps Wired : Modbus(standard), CAN/Profibus(option) * It can fit customer's protocol over dealer MOQ (Minimum Order Quantity, 500set)

Electrical Data	
Supply voltage	4.5 Vdc ~ 6Vdc, input voltage on readhead
Set-up Time	50ms(first data ready after switch-on)
Power consumption	Typ. 110mA, max. 150mA
Output load (RS485)	120mA short term, 60mA limited, 20mA nominal

Environmental Data	
Temperature	Operating -30°C~85°C, Storage -40°C~85°C
Humidity	0 ~ 100%(condensation permitted)
Environmental protection	IP64(protected against dust and splashing water)
Vibration	300 m/s ² 55Hz~2kHz(IEC 60068-2)
Shock	300 m/s ² (IEC 60068-2-27)
External magnetic field	Max ±1mT on bottom side of readhead