

HIGH DEFENITION MAGNETIC SENSOR

AB-MG-CNS-MGS-160ND

ATOMBOTIX



- Detection range: ± 70 mm
- Interval between points: 20 mm
- Number of switching points: 8
- Accurate: 3 mm
- Communication: RS232, RS485, CAN
- IP Ratings: IP67

Model	AB-MG-CNS-MGS-160ND
Performance Parameters	
Detection Height	10-50 m (CNS-MS-30N)
Detection Range	± 75 mm
Detection Accuracy	1 mm
Number of Output Digital Quantity Points	16 - bit digital quantity
Distance between Detection Points	10 mm
Sensor Sensitivity	0-9 Level (Configurable)
Induction Polarity	N-pole, S-pole, NS-pole (Configurable)
Detection Signal	N/S pole magnetic field signal
Detection Range of Magnetic Field Intensity	1.5 to 95 Gauss
Magnetic Strip Detections Number	3
Electrical Parameters	
Rated Voltage	24V $\pm$ 10%
Working Voltage	10 - 32V
Working Current	< 20 mA (Typical Value)
Power	< 0.5 W
Basic Parameters	
Interface	RS232, RS485, I/O, CANOPEN
Magnetic Strip Position Deviation Data	
Magnetic Field Strength Detection Data	
Position Output	Supported
Switch Signal Output	
Strength Signal Output	Supported
Branch Selection Function	Supported (Left branch, Straight, Right branch commands)

LED	Red, Green
Cable Length	Optional
Housing Material	Aluminum alloy
Protection Class	IP65
Environmental Parameters	
Temperature	-10°C - 50°C, indoor
Humidity	< 80% Rh, without codensation and frosting

