



MV GREENTECH PVT LTD.



Product Catalogue

Ultra Precision Sensing Solutions

SPEED SENSORS

SPEED SENSOR

Measurement frequency up to 33kHz.

Static (zero speed) and dynamic two modes of operation.

Hard shell.

The temperature range is -40... +120°C.

Widely used in motor rail vehicles, traction control, train safety devices.



Photoelectric speed sensor

I. FS50 series long-distance

II. FS30 series long-distance

III. FJ18 series photoelectric speed switch

Technical parameter									
Model	50*50*17 mm			32*21*12.1			M18*61.5		
Diffuse Reflection	30cm	1m	1m	30cm	1m	70cm	30cm	1m	2m
Retro Reflection	50cm	1.5m	2m	50cm	1.5m	2m	50cm	1.5m	5m
Through beam	70cm	2m	5m	70cm	2m	5m	70cm	2m	10m
Operating temperature	-15°C- 55°C								

SPEED SENSORS

IV. FJ18 photoelectric speed sensor

Response frequency		1.5kHz
Response time [ms]		<3
Pointing angle		3°...20°
Working environment illumination LUX	Incandescent lamp (light receiving surface illumination)	<=3000
	Sunlight (light receiving surface illumination)	<=10000
Working environment temperature [°C]		-25...+55
Shell material		Brass chrome plated
Protection level		IP65

V. CT series slot photoelectric speed sensor

Product Parameters	
Detection distance	5mm (groove width)
Standard detection object	Opaque body 2×0.8mm
Should be different distance	0.025mm
Light source (luminescence wavelength)	GaAs infrared light-emitting diode (940nm)
Response frequency	1KHz--3kHz
Ambient temperature	Working time: -25°C~+55°C Storage time: -30°C~+80°C
Environment humidity	During operation: 5~85%RH During storage: 5~95%RH

SPEED SENSORS

SPEED CONTROL SWITCH

Products of the motor and mechanical transmission device often appear in the blocked rotation, stuck rotation, overload, slow rotation, belt slip, transmission chain (belt) off, drive shaft fracture and other electrical and technological failures can be effectively and timely treatment. It can guarantee production and maintain equipment.



- I. DI0001 Compact Speed Monitor
- II. DI0004 Compact Speed Monitor (Leakage current [mA]: < 2.5; Minimum load current [mA]: 10)
- III. DIA2010-ZROA/5-300 I/MIN Compact Speed Control Sensor Monitor
- IV. Diameter 2010-ZROA/5-300 I/min OAU Compact Speed Monitor
- V. DI6001 DGA4012-WPKG/American Compact Speed Monitor (Leakage current [mA]: < 2.5; Minimum load current [mA]: 10)
- VI. DI5001 DIA3010-ZPKG Compact Speed Monitor
- VII. DI5005 DIA3010-YPKG Compact Speed Monitor

Product Parameters	
For DI0001, DI0004, DIA2010, Diameter 2010, DI6001 DGA4012	For DI5001 DIA3010-ZPKG, DI5005 DIA3010-YPKG
Application	Simple evaluation of rotational and linear motion underspeed, blocking
Setting range [pulses/minute]	5...300
Ambient temperature [°C]	-25...80

- VIII. RD-II Rotary Detector
- IX. RD-III Rotary Detector
- X. Rotary Detector Type 11801

SPEED SENSORS

Tech Specifications	RD-II Rotary Detector	RD-III Rotary Detector	Rotary Detector Type 11801
Ambient temperature	-20℃~+60℃		
Overall dimensions	Φ38×115mm	Φ30×115mm	
Protection level	IP66		
Escape time	5 seconds	3-17 seconds	
Detection distance H2	≤8mm		
Weight	0.5Kg	0.1Kg	
Detection speed range	1~200 rpm <2mS ≥20mm		
Response time			
Suitable for small safe working distance H1			

XI. M30 speed switch AC/DC SN 10MM 2 wire

XII. M30 flushed speed switch 2 wire AC/DC KJT-KG-JZ-K5

XIII. M30 shielded speed switch 3 wire PNP KJT-KG-JZ-K3 SN 10mm (current consumption: 0...15mA No load)

XIV. M30 KG-Z-K1 speed switch PNP

Technical Parameters	M30 speed switch & M30 flushed speed switch 2 wire	M30 shielded speed switch 3 wire	M30 KG-Z-K1 speed switch
Device application	Rotation monitoring		
Size	81MM		
[Sn] Nominal sensing distance	10 mm		
Ambient air temperature	For Operation: -25...70°C		For Storage: -40...85°C

XV. XSA-V11801 speed sensor (slow/fast type)

Tech. Specifications	AC/DC (slow type)	AC/DC (fast type)
Rated sensing distance (SN)	10mm	10mm
Action range	0-10mm	0-10mm
Operating temperature	-25 degrees-+70 degrees	-25 degrees-+70 degrees

SPEED SENSORS

XVI. MVGT Series Non-Contact Intelligent Speed Slip Detector

Product Parameters	
Ambient temperature	-15°C~+65°C
Applicable places	Suitable for real-time detection of conveyor speed in the coal mining industry, electric power industry, grain and other industries

XVII. M3933/30-30S-LY Attenuators - Interconnects 2.92mm F to M Atten 32 GHz (Screened)

XVIII. SD101201-LY Speed Sensors Speed & Direction HALL Flange Mnt, Cnnctr

GEAR SPEED SENSOR

- Compared with the output waveform of other gear speed sensors, the error of measured speed is very small and the linear characteristics are consistent.
- The induction object is magnetic material or magnetic conductive material.
- Earthquake resistance: 5gn (5...2000Hz range).



I. SK Series speed sensor

II. Line Speed Sensor

Tech Parameters	
Sensing Distance	1.5mm (for SK series) / 2 -3 mm (for line speed)
Ambient Temperature	- 25°C~ 70°C

III. High-pressure resistant gear speed sensor

IV. DSD1205.21ATV speed sensor

V. DSS1210.00STV Speed sensor

VI. D12A type speed sensor

VII. HK5511 series turbocharger speed sensor

VIII. PA-M12-V-05-00E Gear speed sensor (Dimension: M12*40mm; Temp. Range: -20°C...+85°C)

Tech. Parameters	
Temperature range	-40°C...+125°C

SPEED SENSORS

IX. PA1015 High High-speed gear speed sensor

X. PA1010 type high speed gear speed sensor

Tech. Parameters	
Sensing Distance	0.2~1mm
Operating temperature	-20°C~+70°C

XI. EX34H35Speed sensor

Model	EX34H35
Sensor type	VRS sensor

XII. SK series speed sensor (fast type, slow type)

PNP pulse/min	6...150	MG-SK-K1 slow speed type	
	120...3000	MG-SK-K2 fast type	
2-wire AC pulse/min	6...150		MG-SK-K3 slow speed type
	120...3000		MG-SK-K4 fast type
IP		IP67	
Action area		0...8mm	
Working temperature		-25°C...+75°C	

FORWARD AND REVERSE SPEED SENSOR

The sensor can effectively and timely deal with the electrical and technological faults such as blocked rotation, stuck rotation, overload, slow rotation, belt slip, transmission chain (belt) off, transmission shaft fracture and so on, which often occur in the motor and mechanical transmission device. It can guarantee production and maintain equipment.



SPEED SENSORS

Product Parameters	
Working power supply	Ub=15VDC±30% (8V~28V)
Power consumption current	≤35mA
Operating temperature	-40°C~125°C(head)
Vibration resistance	Vibration (10Hz~2KHz) 30g, shock 100g
Sealing	IP6813.
Power polarity protection	YES
Output short circuit protection	YES
Dielectric strength	1000V 50Hz, 1min (channel and shell)