

RS-025

Magnetic Detector (RPM sensor)

FEATURE

- RS-025 is a magnetic type rotation detector using a magnetoresistive element and is suitable for measurement of rotation from ultra low speed to high speed.
- The magnetic detector operates on the principle of magnetic flux response and can detect the square wave output of the same amplitude.
- There is also a small signal injector, you can check the operation and confirm the junction position.
- High precision type
 - Rotor speed detection by magnetoresistive element
 - Possible to be used for torque sensor
 - Square wave detection of the same amplitude from ultra low to high speed
 - Check operation by signal injector
 - Confirm fixed position with fixed mark
 - Operation CW & CCW direction
 - Available to use multiple detectors (35mm separation)
 - Possible to check output waveform with oscilloscope



SPECIFICATION

MODEL	RS-025
Output signal	Pulse output
Excitation voltage	12VDC \pm 10%
Consumption current	Below 40mA
Output impedance	330 Ω
Detection method	Detection by magnetoresistive element
Output type	Floating ground
Detection range	1~20Khz
Measuring range RPM(60P/R)	20,000times/min
Gear wheel	Ferromagnet
Gear wheel width	more than 3mm
Protecting circuit	Power source polarity, Output short-circuit protection
Operating temperature range	-10 ~ 70 $^{\circ}$ C
Storage temperature range	-20 ~ 80 $^{\circ}$ C
weight	Approx. 80g (including two mounting nuts)

DIMENSION (mm)

