

MP-981

Magnetic Detector (RPM sensor)

FEATURE

본 제품은 저속에서 고속으로의 회전 측정에 적합한 홀 소자를 이용한 Magneto-type 검출기입니다. 또한 MP-981 자체 신호 표시등으로 동작을 확인할 수 있습니다.



SPECIFICATION

MODEL	MP-981
Detection method	Hall element
Measurement range	1Hz ~ 20kHz (using a 60P/R gear, 1~20,000 r/min, with an output waveform duty cycle is 50% ±20%)
Detection gear	Strong magnetic materials (modulus 0.5~3, tooth width 3mm or greater)
Power supply used	DC 12V±2V (0.5Vp-p or less ripple)
Current consumption	40mA or less (12V, at 25 °C)
Output waveform	Low level; +0.5V or less, High level; 5V±0.5V rectangular wave form (with no load)
Output impedance	Approx. 330Ω
Output type	Floating ground
Protective circuit	Power supply polarity and output short protection
Operating temperature range	-10 °C ~ 70 °C
Matching connector	6-pin connector (type R04-PB6F plug)
Allowable vibration (during operation)	double-ended 1.2mm at 30Hz in X, Y, and Z direction for one hour each
Allowable shock (non-operating)	490m/s ² in X and Y direction each 3 times.
Withstand voltage	1. DC250V, 1min. (between shield and signal cable) 2. DC250V, 1min. (between shield and sensor head)
weight	Approx. 80g (including two mounting nuts)

DIMENSION (mm)

