

## RPM MONITOR (Model RPM-5006)

RPM 5006



RPM-5006 is designed for speed measurement of industrial equipment using proximity sensor. It provides non-contact measurement of rotor speed. As each tooth passes through proximity sensor, a signal (voltage pulse) is generated. This signal is then sent to the 5006-RPM indicator for monitoring. When RPM exceeds the switch's set-point, the switch trips, sending an electric signal.

RPM-5006 monitor is versatile microcontroller based RPM indicator. The instrument is 96x96x121mm polyplastic enclosure with standard cutout of 92x92mm. Front is IP54 to withstand dusty environment. The unit has four 0.56" segment LED display for the RPM indication.

Reliability is ensured by our ISO 9001-2000 approved quality control system from UL labs. Masibus is quality manufacturer of RPM monitor having various features and ranges.

RPM-5006 is strategic tool for monitoring protection of machines for over speeding. It measures online RPM and provides relay output for operator alarm or machine trip purpose. Once alarm is generated, machine data can be analyzed for the root cause change in speed. This provides an opportunity for safety of machine. Speed of rotor is monitored in terms of revolution per minute (RPM).

RPM-5006 makes cost-effective online vibration monitoring with its optional retransmission analog output which can be connected to plant RTU / PLC / DCS systems.

Masibus has a proven track record of manufacturing online process monitoring instruments for over 3 decades.

## Features

- *RPM - Display - Switch*
- *4 digit 0.56" seven segment red LED's*
- *Various RPM range available*
- *Relay & analog output*
- *Excellent long-term stability*
- *Easy configuration from front keys*
- *Set value switch*

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## HARDWARE SPECIFICATIONS RPM-5006

<b>Mounting</b>	Remote sensor mounting  Provision of drilled and tapped magnetic pick-up mounting holes on housing is used for mounting of pick-up.
<b>Input type</b>	0-83.33 Hz frequency input from proxy sensor
<b>RPM Range</b>	upto 3000 RPM
<b>Temperature Coefficient</b>	Less than 150ppm/°C
<b>Display</b>	Display type: 4 digit 0.56" seven segment red LED's for process variable
<b>Power Source</b>	85-265 VAC@ 50Hz/120-290 VDC
<b>Power Consumption</b>	Less than 10 VA
<b>Relay Output</b>	230 VAC, 2 A
<b>Accuracy</b>	± 0.25% of FS ± 1 count
<b>Retransmission Output</b>	4 - 20mA DC
Load	Max. 450Ω
Response time	< 3.5 secs
Isolation	1.5k VDC
<b>Insulation Resistance</b>	>200 MΩ@500 VDC
<b>Zero &amp; Span</b>	± 10% Variation from keyboard.
<b>Ambient Temperature</b>	0 to 55°C
Storage Temperature	0-80°C
<b>Operating Humidity Range</b>	30 to 95% RH (non-condensing)
<b>Body Construction</b>	Poly carbonate plastic
<b>Construction &amp; Size</b>	CASE: 96x96x121 mm
<b>FRONT BEZEL</b>	96x 96 mm
<b>PANEL CUTOUT</b>	92 x 92 mm
<b>Weight</b>	360 grams

## ORDERING CODE

Model	RPM range		AO	
RPM-5006	X		X	X
	1	0-100 RPM	N	None
	2	0-1000 RPM	1	4-20mA
	3	0-3000 RPM		

X - Specify from table