

RPM CONTROLLER

Model : RP 471



INTRODUCTION

The RPM Controller 471 is a reliable and versatile device used for measuring revolutions per minute (RPM) in various applications. With its advanced features and precision, the RPM Controller 471 offers accurate monitoring of motor and shaft speeds. Equipped with user-friendly controls and a clear display interface, it provides operators with real-time feedback essential for maintaining optimal performance and preventing potential damage to machinery. Whether in automotive, industrial, or other settings, the RP 471 is a trusted tool for ensuring efficiency and safety in rotational speed monitoring.

APPLICATIONS

- Automotive
- Manufacturing
- Aerospace
- Speed Monitoring
- Speed Control
- Power Generator, Etc.,

FEATURES

- ✓ 4 Digit seven segment LED display
- ✓ Wide range 10 – 9999 RPM / RPS / RPH
- ✓ 3 to 30V DC Input Pulse from any type Sensor
- ✓ Allows Maximum 3.5 kHz Input Pulse Speed
- ✓ 12 V DC Sensor Supply
- ✓ Universal Supply Voltage 90 to 270V AC / DC
- ✓ RPM / Rate / Frequency Front Key Scalable
- ✓ Scale factor & Exponential are Pre-settable
- ✓ 2 Relay Output with Front Key Set table Hi & Lo Set points
- ✓ Power ON Delay & Hysteresis for Relay Output is Provided
- ✓ Speed Monitoring
- ✓ Speed Control
- ✓ High & Low Speed Alarm
- ✓ Length Measurement & Control
- ✓ Line Frequency Monitor & Alarm
- ✓ All types of Speed / Rate / Frequency Monitoring & Control applications.

Technical Specifications

Model	RP 471
Display	4 Digit 0.5" 7 segment Red LED
Accuracy	± 0.05 % (± 1 count)
Range	10 - 9999 RPM / RPS / RPH
Resolution	0.001, 0.01, 0.1, 1 RPM / RPS / RPH (selectable)
Input	3 - 30V DC from Proximity Sensor, Photoelectric Non Contact Sensor, Encoder, Potential Free Contacts, Limit Switch etc.,.
Input speed	3.5 kHz (Max.)
Scale factor	0.001 to 9.999
Exponential	10 ⁿ = -3, -2, -1, 0, 1, 2
Relay output	2 NO , 2 NC 5A rated Relays(power ON Delay & Hysteresis provided)
Sensor supply	12V DC (±10%) 50mA
Power Supply	90 to 270V AC / DC 50Hz
Working temperature	0 – 50°C
Dimension	72 x 72 x 65 mm
Weight	200 grams (Approx.)

Note: Due to continuous product improvements, published specifications may change without notice



SANSEL INSTRUMENTS AND CONTROLS SANSEL CALIBRATION LABORATORIES

ISO/IEC 17025 Accredited Calibration Laboratory by NABL CC - 2879
(Thermal, Mechanical, Electro-Technical, Dimension Parameters)

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