



RM-1500/1501 Digital Tachometer

Product Features

- 5 Digits LCD Display
- Light Reflex Measurement
- Range 10.00 to 99,999 RPM
- Measuring Distance 50 to 300mm
- Event counter with elapsed time
- RM-1502 optional Contact Adaptor
- Max / Min / Hold : True Average
- Auto Range RPM
- RS-232 Interface for Model RM-1501
- Contact RPM and circumferential velocity measurements in one simple adaptor(RM-1502)

Speed (Optical)

| | Range | Resolution | Accuracy |
|----------|-------------|---------------|--------------|
| RPM | 10.00-99999 | 0.01/0.1/1 | 0.04%±2dgtst |
| rps (HZ) | 0.2-2000 | 0.001/0.01/01 | 0.04%±2dgtst |

Speed (Contact)

| | Range | Resolution | Accuracy |
|----------|----------------|----------------|--------------|
| RPM | 10.00 - 29999 | 0.01/0.1/1 | 0.04%±2dgtst |
| m/min | 1.000 - 2999.9 | 0.001/0.01/0.1 | 0.04%±2dgtst |
| ft/min | 4.00 - 10000 | 0.01/0.1/1 | 0.04%±2dgtst |
| yard/min | 2.00 - 3000 | 0.01/0.1/1 | 0.04%±2dgtst |
| rps (Hz) | 0.2 - 500 | 0.001/0.01/0.1 | 0.04%±2dgtst |

Event Counter

| Range | Max. Input Frequency |
|----------|---------------------------|
| 0 -99999 | 10KHz. with 5% duty cycle |

General Specification

| | |
|----------------------|--|
| External TTL Input | High > 4.5V (RM-1501) |
| Display | 5 digits 99999 counts |
| Sampling Rate | 0.7 second (> 60 rpm) > 1 second (10 to 60 rpm) |
| Measuring Distance | 50 to 300mm |
| Time Base | 4.0 MHz Quartz Crystal |
| Range Selection | Automatic |
| Battery | Four 1.5V batteries (AA, UM-3) |
| Power Consumption | 1.5mA (Idle) 5mA (1000.0 - 99999 rpm) 25mA (10.00 - 999.99 rpm) 25mA (Max, Min or Ave Enabled) 25mA (Event Counter) |
| Auto-Power-Off | 30 minutes. |
| Operating Temp. | 0 °C ~ 50 °C (32 °F ~122 °F) |
| Size | 72 mm x 63mm x 36mm (6.8" x 2.5" x 1.5") |
| Weight | 190g (6.7 oz.) (including battery) |
| Accessories | Carrying Case x 1 , Reflective tape x 1 , Instruction Manual x 1 (Software & RS-232 interface for RM-1501) |
| Optional accessories | RM-1502 Contact Adaptor |

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