



# HT2234N

Rel. 1.02 of 06/06/08

## Digital Optical Tachometer

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## 1. TECHNICAL SPECIFICATIONS

### Speed Measurement (without contact)

|                | Range          | Resolution         | Accuracy            |
|----------------|----------------|--------------------|---------------------|
| <b>RPM</b>     | 10.00 ÷ 99999  | 0.01 / 0.1 / 1     | ± (0.04%rdg + 2dgt) |
| <b>RPS(Hz)</b> | 0.200 ÷ 2000.0 | 0.001 / 0.01 / 0.1 |                     |

### Speed Measurement (with contact)

| Speed Measurement (With Contact) |                |                    |                     |
|----------------------------------|----------------|--------------------|---------------------|
|                                  | Range          | Resolution         | Accuracy            |
| m/min                            | 2.000 ÷ 2999.9 | 0.001 / 0.01 / 0.1 | ± (0.04%rdg + 2dgt) |
| RPM                              | 20.00 ÷ 29999  | 0.01 / 0.1 / 1     |                     |
| ft/min                           | 6.00 ÷ 10000   |                    |                     |
| yard/min                         | 4.00 ÷ 3000    |                    |                     |

### Event Counter

| Range     | Max. Input Frequency     |
|-----------|--------------------------|
| 0 ÷ 99999 | 10kHz with 5% Duty Cycle |

## 2. GENERAL SPECIFICATIONS

### General

Measuring Distance: 50 to 300 mm  
Time base: 4.0 MHz Quartz Crystal  
Range selection: Autorange

### Display

Characteristics: 5 digit LCD 99999 counts  
Sampling rate: 0.7 sec (> 60 rpm)  
> 1 sec (10 to 60 rpm)

### Supply

Battery type: 4 x 1.5V battery type LR03 AA  
Low battery indication: "BT" is displayed when the batteries level is too low.  
AutoPowerOFF: 30 minutes

### Mechanical characteristics

Size: 162(L) x 63(W) x 36(H)mm  
Weight (including battery): about 190g (included batteries)

### Climatic conditions

Reference temperature: 25° ± 5°C  
Operating temperature: 0 ÷ 50 °C (32 ÷ 122°F)  
Operating humidity: <70% RH  
Storage temperature: -10 ÷ 60 °C  
Storage humidity: <70% RH  
Internal use: max. 2000m