



# 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