

1. TECHNICAL SPECIFICATIONS

Accuracy is calculated as $\pm[\% \text{readings} + (\text{num dgt} \times \text{resolution})]$ at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, $<75\% \text{RH}$

SPEED MEASUREMENT WITHOUT CONTACT

Function	Range	Resolution	Accuracy
RPM	2.0 ÷ 9999.9	0.1	$\pm (0.05\% \text{rdg} + 1 \text{dgt})$
	10000 ÷ 99999	1	
RPS (HZ)	0.1 ÷ 166.7	0.1	
	167 ÷ 1667	1	

SPEED MEASUREMENT WITH CONTACT

Function	Range	Resolution	Accuracy
rPm	2.0 ÷ 9999.9	0.1	$\pm (0.05\% \text{rdg} + 1 \text{dgt})$
	10000 ÷ 20000	1	
RPS (HZ)	0.1 ÷ 166.7	0.1	
	167 ÷ 333	1	

SPEED MEASUREMENT ON SURFACES (WHEEL TIP WITH C = 10cm)

Function	Range	Resolution	Accuracy
M/M	0.2 ÷ 2000	0.1/1	$\pm (0.05\% \text{rdg} + 1 \text{dgt})$
I/M	7.8 ÷ 78000		
F/M	0.6 ÷ 6000		
Y/M	0.4 ÷ 4000		

2. GENERAL SPECIFICATIONS

General characteristics

Measuring distance: 50 ÷ 500mm
Time base: quartz crystal
Internal memory: 40 locations

Display

Characteristics: 5 digit LCD 99999 points with backlight
Sample rate: 0.5s (>120 rpm)
Overrange indication: "OL" message on the display

Power supply

Internal power supply: 1x9V alkaline battery type IEC 6F22
Battery life: approx 12 hours
External power supply: adapter:100-240V / 50-60Hz, 6V÷9VDCmax, max 1A
Auto Power OFF: after 15s of idleness

Mechanical characteristics

Dimensions (L x W x H): 155 x 55 x 35mm
Weight (included battery): 168g
Mechanical protection: IP40

Environmental condition of use

Reference temperature: $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$
Working temperature: $0^{\circ}\text{C} \div 50^{\circ}\text{C}$
Working humidity: $<75\% \text{RH}$
Storage temperature: $-10^{\circ}\text{C} \div 60^{\circ}\text{C}$
Storage humidity: $<75\% \text{RH}$
Max height of use: 2000m

This instrument satisfies the requirements of EMC Directive 2014/30/EU
This instrument satisfies the requirements of 2011/65/EU (RoHS) directive and 2012/19/EU (WEEE) directive)