

# TM-4100 Tachometer

Non-contact detection  
distance up to 500mm

## Functions:

- Auto-range.
- Average.
- Max / Min.
- Auto Power Off.
- Hold.
- Buzzer. (on /off)

## Combo Kit Contact & Non-Contact

# TM-4100D Tachometer(datalogger)



Models	TM-4100	TM-4100D (USB Datalogger)
Display	6 digits backlit LCD.	
Detection distance	40mm to 500mm (1.58" to 19.7")	
Measuring indicator	The LCD displays "RING" with a buzzer sound ( or off ).	
Sampling period	62.5ms to 2s	
Operating Temp./ Humidity	0 ~ 40°C ; 25% to 75 % RH.	
Storage Temp./ Humidity	-10 ~ 60°C ; 0% to 80% RH.	
Memory capacity	200 data sets	20,000 data sets
Power Supply	9V battery x1	
External power	AC 100~240V to DC 9V/0.5A	
Battery life	About 30 hours. (buzzer off)	
Dimension	Approx. 186x76x36mm. (LxWxH)	
Weight	Approx.200g	
Accessories	Battery x1, Carrying case x1, Reflective tape x1 sheet, MINI USB 4P(MALE) to USB cable x1 (TM-4100D)	

Accuracy	AVG ON	AVG OFF
Up to 9,999 counts	±1dgt.	±10dgt.
10,000 counts	±2dgt.	±20dgt.
20,000 counts or more (r/min mode only)	±20dgt.	±100dgt.
Period measurement only	±0.5%rdg. is added to above-mentioned accuracy.	

Period measurement (ms)	1	0.6000 to 1.9999	0.6000 to 1.9990	—	—
	2	2.000 to 19.999	2.000 to 19.990	3.000 to 19.999	3.000 to 19.990
	3	20.00 to 199.99	20.00 to 199.90	20.00 to 199.99	20.00 to 199.90
	4	200.0 to 1999.9	—	200.0 to 3999.9	200.0 to 399.0
Count measurement (count)	1	0 to 999999 (Input conditions Up to rotational speedmeasurement upper limit)			

MODE	Range	Contactless measurement		Contact measurement	
		AVG=ON	AVG=OFF	AVG=ON	AVG=OFF
Rotational speed measurement (r/m)	1	30.00 to 199.99	—	15.00 to 199.99	—
	2	200.0 to 1999.9	300.0 to 1999.0	200.0 to 1999.9	150.0 to 1999.0
	3	2000 to 19999	2000 to 19990	2000 to 19999	2000 to 19999
	4	20000 to 99990	20000 to 99990	—	—
Rotational speed measurement (r/s)	1	0.5000 to 1.9999	—	0.2500 to 1.9999	—
	2	2.000 to 19.999	5.000 to 19.990	2.000 to 19.999	2.500 to 19.990
	3	20.00 to 199.99	20.00 to 199.90	20.00 to 199.99	20.00 to 199.90
	4	200.0 to 1600.0	200.0 to 1600.0	200.0 to 333.0	200.0 to 333.0

Speed Measurement	Range	AVG ON	AVG OFF
m/min	1	1.500 to 19.999	—
	2	20.00 to 199.99	15.00 to 199.90
	3	200.0 to 1999.9	200.0 to 1999.0
m/s	1	0.0250 to 1.9999	0.2500 to 1.9990
	2	2.000 to 19.999	2.000 to 19.990
	3	20.00 to 33.30	20.00 to 33.30