

TENMARS

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TM-4100 Tachometer

Non-contact detection distance up to 500mm

Feature :

- Large LCD 6 digits with backlit.
- Contact and non-contact measurements in one combo kit.
- Measuring by the output of red visible-spectrum light containing the signal to the tap or plate and receiving the signal from the reflective light.
- Measurement distance: 40 ~ 500mm (1.58" ~ 19.7").
- Memory of 200 data.
- USB datalogger up to 30,000 data (TM-4100D).

Functions:

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



TM-4100D Tachometer (datalogger)

- Up to 30000 set Datalogging Capability.
- USB PC interface.



Models	TM-4100	TM-4100D (USB Datalogger)
Display	6 digits backlit LCD	
Range switching	Automatic	
Detection distance	40mm to 500mm (1.58" to 19.7")	
Measurement method	Output the red visible-spectrum light containing the signal to the tape or plate and receiving the signal from the reflective light.	
Measuring indicator	The LCD displays "RING" with a buzzer sound (or off).	
Resolution	Over 10, 000 count, AVG "ON" : +/-2 dgt.; AVG "OFF" : +/-20 dgt.	
Sampling rate	0.5 to 10 times/sec	
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	(TM-4100D) 200data sets in memory & USB datalogger : 30,000 data sets.
Power Supply	9V battery x1	
Maximum rated power	0.5VA	
Battery life	About 30 hours (buzzer off)	
Dimensions	Approx. 186mm x 76mm x 36mm (L x W x H)	
Weight	Approx.200g	
Accessories	Battery x1, Carrying case x1, Reflective tape x1 sheet, MINI USB 4P(MALE) to USB cable x1	

MODE	RANG	Contactless measurement		Contact measurement	
		AVG=ON	AVG=OFF	AVG=ON	AVG=OFF
Rotation 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	2000 to 99990	20000 to 99990	—	—
Rotations 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

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	20.00 to 199.99	20.00 to 199.90	20.00 to 199.99	20.00 to 199.99
4	200.0 to 1999.9	—	200.0 to 3999.9	—
Count measurement (conunt)	1	0 to 999999 (Input conditions Up to rotational speed measurement upper limit)		


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Speed Measurement	RANGE	AVG ON	AVG OFF
m/min	1	1.500 to 19.99	NONE
	2	20.00 to 199.99	20.00 to 199.90
	3	200.0 to 1999.9	200.0 to 1999.0
m/s	1	0.0250 to 1.9999	0.0250 to 1.99990
	2	2.000 to 19.999	2.000 to 19.990
	3	20.00 to 33.30	20.00 to 33.30

Accuracy	AVG ON	AVG OFF
Up to 9,999 counts	+/- 0.5% of reading +/-1dgt.	+/- 0.5% of reading +/-10dgt.
>= 10,000 counts	+/- 0.5% of reading +/-2dgt.	+/- 0.5% of reading +/-20dgt.
>= 20,000 counts	+/- 0.5% of reading +/-20dgt.	+/- 0.5% of reading +/-100dgt.

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