DATA - SHEET 1028

Digital Touch Tachometer

Digital Touch Tachometer

Code: 59-800-838

This Digital Touch Tachometer provides accurate measurement of spindle speeds in RPM and surface speed in m/min.

Specifications

Clear LCD display 5 digits x 10 mm high

Method	Total Range	Resolution
Contact Tachometer	2.5 to 19,999 RPM	0.1 RPM for 0.5 to 999.9RPM 1 RPM over 1000 RPM
Surface Speed	0.05 to 1,999.9 m/min.	0.01 m/min for 0.05 to 99.99 m/min 0.1 m/min over 100 m/min

Accuracy: ± (0.05% + 1 RPM)
Sampling time: 1 sec. (Over 15 RPM)
Memory: Last value, plus Max and Min values
Time base: Quartz crystal
Circuit: Single chip microprocessor, LSI-circuit

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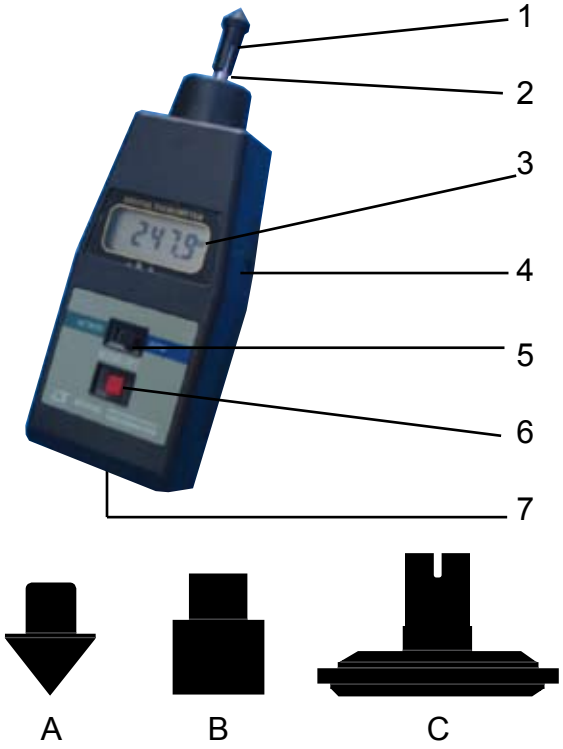
Power:	4 x 1.5v AA Batteries
Consumption:	Approx. 80mA during operation
Operating Temp.	0 - 50°C
Size:	190 x 72 x 37mm
Weight:	280g (including batteries)

Parts Descriptions

1	Adapter Holder
2	Rotating Spindle
3	Display Panel
4	Measure Button
5	Function Switch
6	Memory Button
7	Battery Compartment / Cover
A	Rubber Cone (Internal Fitting)
B	Rubber Cone (External Fitting)
C	Surface Speed Wheel



Measuring Procedure

RPM Measurement:

Select correct Rubber Cone suitable for spindle or hole location and fit into “Adapter Holder”

Slide “Function Switch” to RPM position

Lightly press Rubber Cone into centre hole of rotating component or onto the end of revolving shaft Ensure that the centrelines of both tachometer and component are correctly aligned and turn synchronously together

Depress “Measure Button” until the reading stabilises (approximately 2 seconds). RPM will now be displayed.

Surface Speed measurement:

Fit Surface Speed Wheel to Rotating Spindle

Slide “Function Switch” to M/MIN position

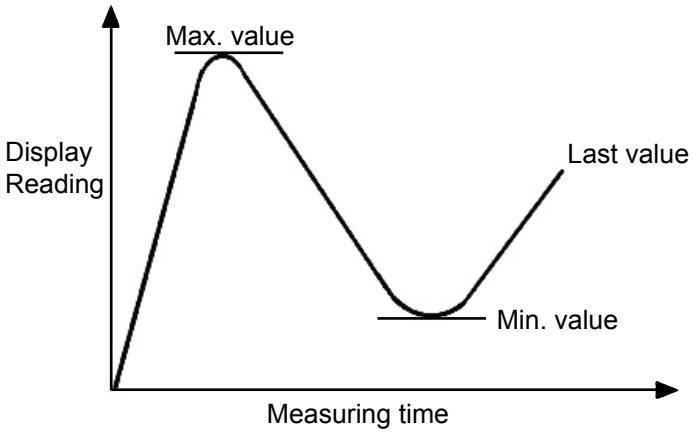
Apply Surface Speed Wheel to moving item ensuring they both move synchronously

Depress “Measure Button” until the reading stabilises (approximately 2 seconds). M/MIN will now be displayed.

Memory:

Following the release of the “Measure Button” Max. Min. and Last value can be recalled in turn by depressing the “Memory Button”

Max value symbol: “UP”
Min value symbol: “dn”
Last value symbol: “LA”



Battery Replacement:

When the battery voltage falls below 5v, a small battery image will appear on the display to indicate that the batteries need replacing.
Slide the battery cover away from the instrument, remove old batteries and replace with 4 new 1.5v AA batteries, ensuring they are correctly aligned as marked inside case.

The batteries should be removed if the instrument is not to be used for an extended period of time.