

Digital Laser Tachometer

Operation Manual

DT-5650



Features

- ... Made of rugged and lightweight ABS plastic. The casing has been ergonomically designed to comfortably fit in your hand.
- ... Uses advanced microcomputer and photoelectric technology.
- ... Wide measuring range and high resolution.
- ... Easy to read digital LCD Display
- ... Last Displayed Value, Max. Value, & Min. Value can be automatically stored in memory and recalled by pressing the Memory Call Button.
- ... Low battery voltage indicator.

Specifications

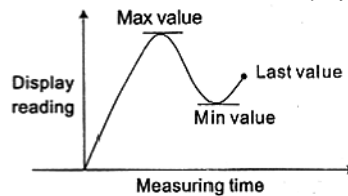
Display:	5 digits, 15mm (0.6") LCD
Accuracy:	+/- (0.05%+1 digit)
Sampling Time:	0.5 Sec (over 120 RPM)
Range Select:	Auto-Ranging
Memory:	Last Displayed Value, Max. Value, & Min. Value will automatically be stored into memory.
Detecting Distance:	50mm to 500mm
Time Base:	Quartz crystal
Battery:	1.5V AA Batteries (4)
Operating Temp:	0-50C
Dimensions:	160 x 72 x 37 mm
Weight:	30g (including batteries)
Accessories:	Carrying Case Reflective tape marks Operation manual

Photo Tachometer

Test Range:	2.5 to 99,999 RPM
Resolution:	0.1 RPM (2.5 to 999.99 RPM) 1 RPM (Over 1000 RPM)

Memory Call Button Operation

A readout of the Last Value, Max. value, and Min. Value are automatically stored in memory when turning off the unit. The stored value can be displayed by pressing the MEM button. Press the MEM button once to display the Last Value, indicated on the display screen by the letters "LA". Press the MEM button a second time to display the Max value, indicated on the display screen by the letters "UP". Press the MEM button a third time to display the Min value, indicated on the display screen by the letters "DN".



Battery Replacement

1. When it is necessary to replace the battery, a low voltage symbol will appear on the display.
2. Slide the battery cover away from the instrument and remove the old batteries.
3. Install four new 1.5V AA batteries in the battery compartment, being sure to place the batteries in the correct direction as indicated by the diagram in the compartment. Permanent damage may occur from incorrect placement of batteries.
4. If the instrument is not in use for any extended period of time, remove the batteries.

Reflective Marks

Cut and peel the adhesive reflective tape provided into approx. 12mm (0.5") squares and apply one square to each rotation shaft to be measured. The non-reflective area must always be greater than the reflective area. If the shaft is normally reflective, it must be covered with black tape or black paint before attaching the reflective tape. The shaft must be clean and smooth before attaching the reflective tape.

Measurement Procedure

1. Slide the function switch to the RPM position
2. Apply a reflective mark to the object being measured
3. Depress the Measure button on the side of the unit, and align the visible light beam with the applied target. Verify that the Monitor Indicator lights up when the target aligns with the light beam.

Very Low RPM Measurement

In order to record low RPM values, it is suggested that you attach multiple reflective marks that are evenly spaced on the shaft. After taking the reading, simply divide the value by the number of Reflective Marks that were used to get the reading.

Front Panel Descriptions

