


indicator by turn once depressing the memory button. The Symbol “UP” represents the Max. Value and “dn” the Min. Value; “LA” ,The last Value.

7. BATTERY REPLACEMENT

- (1)When it is necessary to replace the battery, i.e. battery voltage less than approx. 5v, symbol “ ” will appear on the Display.
- (2)Slide the battery cover (Fig.1,3-7) away from the instrument and remove the batteries.
- (3)Install the batteries (4x1.5V AA/UM3) correctly into the case.

Warning

DIRECT EYE EXPOSURE TO LASER LIGHT SOURCE IS HARMFUL AND SHOULD BE PROHIBITED IN ANY CASE.

.6.

DIGITAL PHOTO TACHOMETER (LASER TYPE)

This DIGITAL PHOTO is small in size, light in weight, easy to carry. Although complex and advanced, it is convenient to use and operate. Its ruggedness will allow many years of use if proper operating techniques are followed. Please read the following instructions carefully and always keep this manual within easy reach.

Landtek20021020-2857

- 3-5 Measure button
- 3-6 Memory button
- 3-7 Battery Compartment/Cover

4. MEASURING PROCEDURE

Apply a reflective mark to the object being measured. Depress the MEASURE BUTTON (Fig. 1,3-5) and align the visible light beam (Fig. 1,3-2) with the applied target, verify that the MONITOR INDICATOR (Fig.1,3-3) lights when the target aligns with the beam (about 1 to 2 seconds.)

5.MEASURING CONSIDERATIONS

5-1 REFLECTIVE MARK

Cut and peel adhesive tape provided into approx. 12mm (0.5") squares and apply one square to each rotation shaft.

- a. The non-reflective area must always be greater than the reflective area.
- b. If the shaft is normally reflective, it must be covered with black tape or black paint before attaching reflective tape.
- c. Shaft surface must be clean and smooth before applying reflective tape.

5-2 VERY LOW RPM MEASUREMENT

As it is easy to get high resolution and fast

.4.

1. FEATURES

- * Measuring RPM is safe & accurate without attachment to object.
- * Wide measuring range & high resolution.
- * Digital display gives exact RPM with no guessing or errors.
- * Used the exclusive MICRO-COMPUTER LSI-circuit and crystal time base to offer the high accuracy measurement & fast measuring time.
- * The last Value / max. Value / min. Value will be automatically stored in memory and can be displayed by turn.
- * The use of durable, long-lasting components, including a strong, light weight ABS-plastic housing assures maintenance free performance for many years. The housing has been carefully shaped to fit comfortably in either hand.

2. SPECIFICATIONS

Display: 5 digits, 10 mm (0.4") LCD (Liquid Crystal Display).

Test Range: 2.5 to 99,999 RPM (r/min)

Resolution: 0.1 RPM (2.5 to 999.9 RPM)
1 RPM (over 1,000 RPM)

Accuracy: $\pm(0.05\%+1 \text{ rpm})$

.1.

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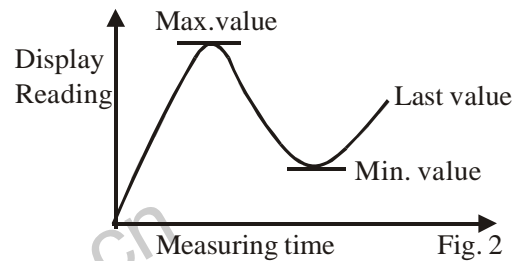
sampling time, if measuring the very low RPM values, suggest the user to attach more “REFLECTIVE MARKS” averagely. Then divided the reading shown by the number of “REFLECTIVE MARKS” to get the real RPM.

5-3 BATTERY REMOVAL

If the instrument is not to be used for any extended period, remove batteries.

6. MEMORY

6-1 A readout (the last Value, max. Value, min. Value) obtained immediately before turning off the MEASURE BUTTON is automatically memorized. For example, please ref. following fig.2.



6-2 That Memorized value can be displayed on the

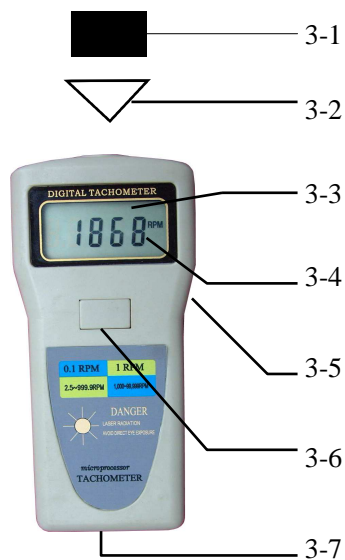
.5.

Sampling Time: 1 sec. (over 60 RPM)
 Test Range Select: Automatic
 Memory: Last Value, Max. Value, Min. Value.
 Detecting Distance: 50 to 500mm / 2 to 20 inch
 (typical max. 1000 mm / 40 inch.
 Depending upon ambient light).
 Time Base: Quartz crystal
 Circuit: Exclusive one-chip of
 microcomputer LSI circuit.
 Power Supply: 4x1.5VAA (UM-3) battery.
 D.C Consumption: Approx. 80mA(operation).

Size: 190x72x37mm (7.5x2.8x1.5 inch)
 Weight: about 300g/0.65 lb (including batteries)
 Accessories:
 Carrying case.....1 pc.
 Reflective tape marks (350mm).....2pc.
 Operation manual.....1pc.

.2.

3. FRONT PANEL DESCRIPTIONS



3-1 Reflective mark
 3-2 Signal light beam
 3-3 Monitor indicator
 3-4 Display

.3.