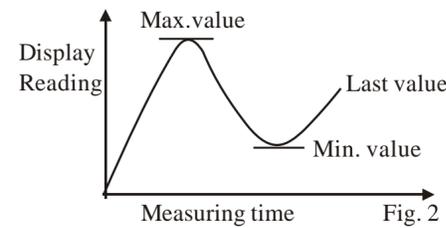


Value and “dn” the Min. Value; “LA” , The last Value.



8. 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 (4x1.5VAA / UM-3) correctly into the case.

.6.

PHOTO/CONTACT TACHOMETER

This PHOTO/CONTACT TACHOMETER 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.

Landtek200211-2856

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“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.CONTACT TACH. MEASURING PROCEDURE

6-1 Slide the Photo/Contact Converter (Fig.1, 3-2) onto the top of Photo Tach.

6-2 Depress the MEASURE BUTTON (Fig.1,3-5) and lightly pressing the rotating ring (Fig.1,3-1) against the center hole on the rotating hole. Release the MEASURE BUTTON when the reading stabilizes (approx. 2 seconds)

7. MEMORY

7-1 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.

7-2 That Memorized value can be displayed on the indicator by turn once depressing the memory button. The symbol “UP” represents the Max.

.5.

3-9 RPM adapter (Funnel)

4. PHOTO TACH. 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 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. PHOTO TACH. 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 sampling time, if measuring the very low RPM values, suggest the user to attach more

.4.

1. FEATURES

- * Multifunctional, one instrument combines Photo Tach. and Contact Tach..
- * 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, lightweight 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, 10mm(0.4") LCD(Liquid Crystal Display).

.1.

Test Range:

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

Contact: 2.5~19,999 RPM (r/min)

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

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

Sampling Time: 1 sec. (over 60 RPM)

Test Range Select:Automatic

Memory: Last Value, Max. Value, Min. Value.

Detecting Distance: 50 to 250mm / 2 to 10 inch
for Photo(typical max.350 mm /14 inch.
Depending upon ambient light).

Circuit: Exclusive one-chip of microcomputer LSI circuit.

Power Supply: 4x1.5VAA (UM-3) battery.

D.C Consumption: Approx. 80mA (operation).

Operation Temp. 0 to 50°C(32 to 122°F).

Size: 215x74x32 mm (8.5x2.9x1.3 inch)

Weight: 280g /0.60 lb (including batteries)

Accessories:

- Carrying case.....1 pc.
- Reflective tape marks (350mm).....2pc.
- RPM adapter (CONE).....1pc.
- RPM adapter (FUNNEL).....1pc.
- Operation manual.....1pc.

.2.

3. FRONT PANEL DESCRIPTIONS

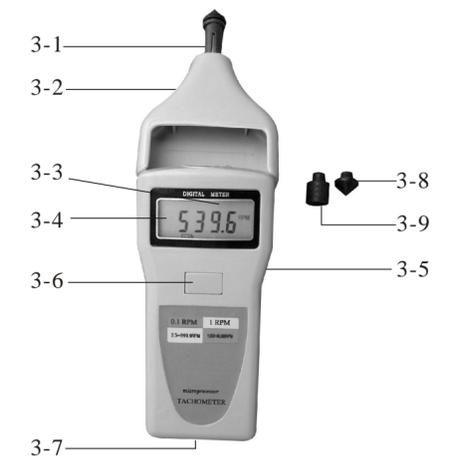


Fig. 1

- 3-1 Rotating ring
- 3-2 Photo/Contact converter
- 3-3 Monitor indicator
- 3-4 Display
- 3-5 Measure button
- 3-6 Memory button
- 3-7 Battery Compartment/Cover
- 3-8 RPM adapter (Cone)

.3.