

STROBOSCOPE TACHOMETER

OPERATION MANUAL

I. FUNCTION INTRODUCTION

Digital stroboscope is a light-house that based on preset frequency flashed quickly. When using it observation objects of high speed round and moving, through adjust its flash frequency to the same as the round and moving speed of objects being monitor. The monitor look like moving slowing or stop though it rounding in high speed, which makes people checking easily the motion of high speed object. We can use this method to measuring the moving speed, motion and surface mar. It used abroad, such as all kinds of rotor, gear joggle, tremor equipment diagnose, weave, print, packing etc.

II. FEATURES

- * This tachometer is used the microcomputer (CPU) technique, photoelectrical technique and LCD for one instrument combine PHOTO TACH & MOTION & SURFACE MAR.
- * Outside novelty, beautify, light and easy take.
- * Large size LCD with backlight, no guessing or errors.
- * Manual adjust, Auto-Adjust, Coarse Adjust knob and Fine Adjust Knob.
- * Backlight control switch.

III. TECHNICAL PARAMETER

Measure range 60 ~ 999FPM/RPM

RPM: round per minute

FPM: flash per minute

Coarse Adjust Knob/

Fine Adjust Knob Less than 1000RPM: Coarse

Adjust Knob : ± 10 RPM/FPM

Fine Adjust Knob: ± 0.1 RPM/FPM

More than 1000RPM: Coarse Adjust Knob : ± 100 RPM

Fine Adjust Knob: ± 1 RPM/FPM

Accuracy 0.05%

Resolution Less than 1000RPM: 0.1RPM/FPM

More than 1000RPM: 1RPM/FPM

Time base 10MHz

Display 4 digits LCD

Power 4×1.5 v R6P.AA.UM-3 battery

Battery consumption Approx. 60mA

Dimension $195 \times 73 \times 38$ mm

weight Approx. 200g

IV. PANEL DESCRIPTION

A: THE OBJECT

B: LIGHT BEAM

C: LENS

D: FLASHLIGHT BUTTON

E: LCD DISPLAY

F: INCREASE VALUE BUTTON

G: DECREASE VALUE BUTTON

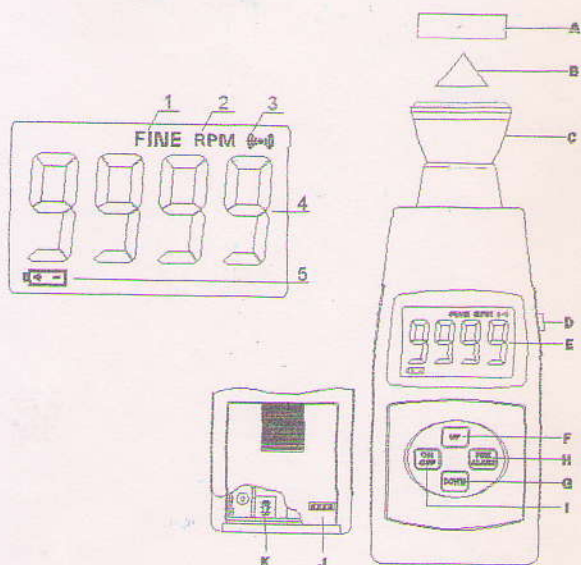
H: COARSE ADJUST KNOB

I: POWER BUTTON

J: BATTERY COVER

V. DISPLAY DESCRIPTION

1. COARSE ADJUST KNOB AND FINE ADJUST KNOB SYMBOL. "FINE" STAND FOR FINE ADJUST KNOB.
2. TACH UNIT SYMBOL, INDICATOR ROTATION PER MINUTE.
3. INDICATOR SYMBOL, REPRESENT IN MEASURING.
4. MEASURING DATE
5. LOWER BATTERY INDICATOR SYMBOL.



VI. OPERATION MANUAL

a. Choose watch spot

Some object's surface is so unsmooth that different reflective condition. We can choose such places as watch spot: different places light or dark, anisomerous word and pattern and marks etc. If the object's surface is smooth and the same reflective, we can make these unsmooth by ourselves or do some anisomerous word and pattern and marks etc. In order to convenience your measuring. We had prepared paper strip.

b. Power button

Install on the battery press "ON" button, it will stepping into measuring and display 1200RPM. This is Manual Adjust and flashlight light off. Press it again, there is no display and all light off.

c. Light on flash light

After power on, press flashlight switch anytime, flashlight will flashed at certain frequency.

d. Light on backlight

After power on, slide at "ON" position, then backlight on.

e. Button between Coarse Adjust Knob and Fine Adjust Knob

On the Manual Adjust condition, per press "FINE" button, you can switch between Coarse Adjust and Fine Adjust. It will display "FINE" if it is Fine Adjust Knob.

f. Manual Adjust TACH

On the Coarse Adjust condition, per press "UP" or "DOWN" button. The PHOTO TACH will increase or decrease corresponding 100RPM or 10RPM. On the Fine Adjust condition, per press "UP" or "DOWN" button. The PHOTO TACH will increase or decrease corresponding