DIGITAL PHOTO TACHOMETER
OPERATION MANUAL

Please read the following instruction carefully.

1. FEATURES
   ➢ Wide measuring range and high resolution
   ➢ Large LCD displaying
   ➢ The last value/max. value/ min. value will be automatically stored.
   ➢ Low battery indication.

2. SPECIFICATIONS
   Display: 5digits, 18mm LCD displaying
   Test range: 2.5 to 99,999RPM(r/min)
   Resolution:
      0.1RPM (2.5 to 999.9RPM)
      1RPM (over 1000RPM)
   Accuracy: ±(0.05%+1 digit)
   Sampling time: 0.8 sec. (over 60RPM)
   Test Range select: Automatic
   Memory: max.value, min. value and last value
Detecting Distance: 50 to 500mm
Time Base: 6MHz crystal oscillator
Circuit: exclusive one-chip of microcomputer LSI circuit
Battery: 4×1.5V AA (UM-3) battery
Power consumption: Approx. 40mA (Operation)
Operation temp: 0 to 50°C (32 to 122°F)
Size: 164×74×37mm
Weight: approx. 200g (including batteries)

3. MEASURING PROCEDURE
Apply a reflective mark to the object being measured.
Press “TEST” key after installing the batteries and align the visible light beam with the applied target.
Release the “TEST” key when the displaying is stable. At this time, there is no displaying on LCD, but the max. value, min. value and last value will be stored automatically.
Press “MEM” key will display the max. value, min. value and last value.

4. NOTE
REFLECTIVE MARK
Cut and peel the adhesive tape into an approx. 12mm square and apply one square to each rotation shaft. Note that the non-reflective area must always be larger than the reflective area. If the shaft is reflective, it must be covered with black tape or black paint before attaching reflective tape. Shaft surface must be clean and smooth before applying reflective tape.
Low tachometric measuring:
It is recommended that you can put more than one reflective mark on the object averaged, the real value = displaying value reflective mark.
For long time storage, please take out the batteries.

5. MEMORY
When releasing the MEASURE KEY, LCD will indicate nothing, but the Max. value, Min. value, last value, will be automatically memorized.
The memorized value can be displayed on the LCD by depressing the memory button. The symbol “UP” represents the max. value and “dn”, the min. value; “LA” refers to the last value.

6. BATTERY REPLACEMENT
It is necessary to replace the battery (battery voltage is less than approx. 4V) when “±” signal appears on the display. Slide the battery cover away from the instrument and remove the battery. Install the batteries (4×1.5V AA /UM-3) correctly into the case