

DIGITAL
TACHOMETER

**OPERATION
MANUAL**

URES

ring RPM is safe & accurate without attachment
ect.

measuring range & high resolution.

display gives exact RPM with no guessing
rs.

he exclusive MICRO-COMPUTER LS-Icircuit
ystal time base to offer the high accuracy
rement & fast measuring time.

st value/max. value/min. value will be automatic-
ored in memory and can be displayed by turn
e.

e of durable, long-lasting components, including
ng, light weight ABS-plastic housing assures
nance free performance for many years. The
g has been carefully shaped to fit comfortably in
hand.

MEASURING CONSIDERATION

REFLECTIVE MARK

and peel adhesive tape provided into approx.
(0.5") squares and apply one square to each
n shaft.

non-reflective area must always be greater than

2-2 VERY LOW RPM MEASUREMENT

As it is easy to get high resolution and fast
sampling time. If measuring the very low RPM values,
suggest user to attach more "REFLECTIVE MARKS"
averagely. Then divide the reading shown by the
number of "REFLECTIVE MARKS" averagely. Then
divide the reading shown by the number of "REFLEC-
TIVE MARKS" to get the real RPM.

2-3 BATTERY REMOVAL

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


3. MEMORY

3-1 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. 1.

3-2 That Memorized value can be displayed on the
indicator by turn once depressing the memory button.
The Symbol "UP" represents the Max. Value and "dn",
the Min Value; "LA", the last Value.



BATTERY REPLACEMENT

When it is necessary to replace the battery (battery voltage less than approx. 4V), "  " will appear on the display.

Slide the battery cover (3-6) away from the instrument and remove the battery.

Install the batteries 1.5V AAA (UM-4) correctly into the case.

TO TACHOMETER

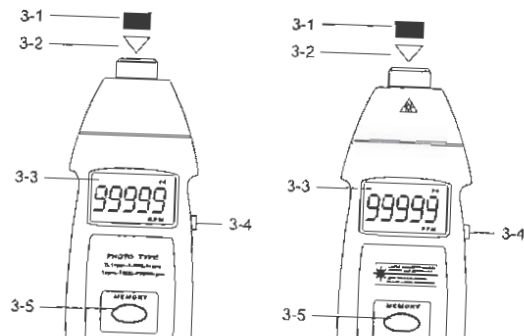
SPECIFICATIONS

Display:	5 digits, 18mm (0.7") LCD (Liquid Crystal Display), with function annunciation.
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:	± (0.05% + 1 digit).
Measuring Time:	0.8 sec. (over 60 RPM).
Range Select:	Automatic.
Memory:	Max. value, Min. value, Last value.

Power Consumption:	Approx x 45mA (operation). (LED) Approx x 35mA (operation). (Laser)
Operation Temp.:	0 to 50 ° C (32 to 122 ° F).
Size:	184 × 76 × 30mm
Weight:	180g (including battery).

- 2). **Accessories:** Carrying case.....1 pc.
Reflecting tape marks (600mm).....2 pc.
Operation manual.....1 pc.

3). FRONT PANEL DESCRIPTIONS



MEASURING PROCEDURE

Place a reflective mark on the object being measured. Press the MEASURE BUTTON (3-4) and align the light beam (3-2) with the applied target. Verify the MONITOR INDICATOR lights when the target aligns with the beam (about 1 to 2 seconds).

PHOTO CONTACT TACHOMETER

Specification

Display: 5 digits, 18mm (0.7") LCD (Liquid Crystal Display), with function annunciation.

Measuring Range: PHOTO TACH
2.5 to 99,999RPM
CONTACT TACH
0.5 to 19,999RPM
SURFACE SPEED(m/min.)
0.05 to 1,999.9(m/min.)

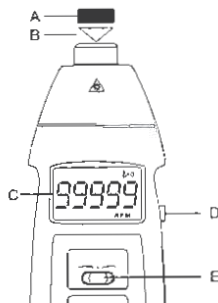
Resolution: PHOTO TACH
0.1 RPM(2.5 to 999.9RPM)
1RPM(over 1000RPM)
CONTACT TACH
0.1RPM(0.5 to 999.9RPM)
1RPM(over 1000RPM)
SURFACE SPEED (m/min)
0.01 m/min.(0.05 to 99.99m/min)

Circuit: Exclusive one-chip of microcomputer LSI circuit.
Battery: 3 × 1.5V AAA (UM -4)
Power Consumption: Approx. 50mA (operation).
Operation Temp.: 0 to 50° C (32 to 122° F).
Size: 220 × 76 × 30mm
Weight: 200g (including battery).

Accessories:
Carrying Case 1PC
Reflecting tape length 600mm
Operation manual 1PC
Contact speed measurement fitting 1PC
Contact rotational speed measurement fitting 3PCS

2). Front panel descriptions

A.Reflective mark
B.Signal light beam
C.Display window
D.Measure button
E.Function switch
F.Memory call button
G.Battery cover
H.Contact tach test device
I. Surface speedring



ion Manual

to rotational speed way

y a reflective mark to the object being measured,
the function switch to "RPM photo" position.

all the batteries first, then depress the measuring
on and align the visible light beam with the
lied target.

ease the measuring button when the display
ding stabilizes. The Max value, MIN value and
last value of measurement results all store
omatically in the indicator.

ss "MEM" . It will show the MAX. value. the MIN
e and the last value.

measurement is finished.

contact rotational speed way

e the function switch to RPM position, install the
er adapter.

e the contact tach test device attach the
asured object and rotate it in the same step.

ress the measuring button, then release the
asuring button when the display reading stabilizes.

value of measurement store automatically, the
surement is finished.

act speed way

e the function switch to "m / min", install the
nd measurement fitting.

e the speed measurement fitting attach the

Note: Because of the difference between the girth
of outer surface and inner flute of line speed
sensor. For contact line speed or length
meaurement. The displaying result is correct
when outer surface of the sensor contacts
with the measured object contact and but
when inner flute of the sensor and the
measured object, that the reading multiply
0.9 is the real result(eg.: measure wire, cable
and rope etc.)