

MEMORY RECALL INSTRUCTIONS

A. Automatic Memory

The following are automatically stored in memory for 2 minutes following release of memory switch.

Last 4 Readings
Maximum Reading
Minimum Reading

These readings will be displayed in the following order when memory switch is pressed:

1st Press: Last reading %
 2nd Press: Next to last reading %
 3rd Press: 3rd to last reading %
 4th Press: 4th to last reading %
 5th Press: Maximum reading
 6th Press: Minimum reading

To fill all memory spaces, unit must be run for about 5 seconds. If any of above memory readings are missing, unit needs longer operation.

B. Selection Memory

This mode is designed for laboratory use only and not applicable for general applications.

Press memory switch briefly as stored reading appears on display.

A dot will blink at end of display (see fig. 1). Up to 4 selections can be stored. (Each blink of dot represents 1 memory storage).

1st Press: 4th selection %
 2nd Press: 3rd selection %
 3rd Press: 2nd selection %
 4th Press: 1st selection %
 5th Press: Maximum reading
 6th Press: Minimum reading

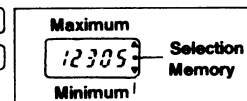


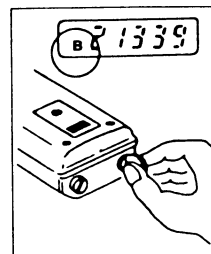
Fig. 1

Note: All memory data will be erased if on-off switch is pressed or if automatic shut-off has occurred.

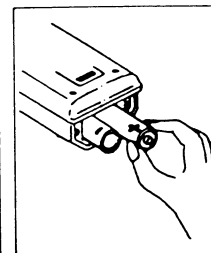
SPECIFICATIONS

| | |
|-----------------------|--|
| READING RANGE | : 6-30,000 rpm (Mode 1); 60-30,000 rpm (Modes 2 & 3) |
| ACCURACY | : 1 rpm-6 to 5,000 rpm; 2 rpm-5,000 to 30,000 rpm |
| DISPLAY | : 5 digit 23/64" (9mm) high LCD |
| MEMORY SYSTEM | : Last reading displayed for 2 minutes after instrument removal. Four intermediate readings. Last, maximum and minimum readings stored in memory, automatically or by selection |
| SYSTEM CONTROL | : Single Chip C-MOS micro-computer |
| DETECTION | : Effective Distance: (Mode 1) up to 1 foot; (Modes 2 & 3) up to 50 feet with 13' diameter propeller Light Source: (Mode 1) incandescent light; (Modes 2 & 3) sunlight Sensor: phototransistor Reflection Mark: Single tab reflective tape (Mode 1) |
| UP-DATE GATE TIME | : Typically 1 second |
| BATTERIES INCLUDED | : Size-4-1.5 V AA; Life-Averages 6 hours continuous use |
| LOW VOLTAGE INDICATOR | : "8" flashing display |
| OPERATING TEMPERATURE | : 32° to 113°F (0-45°C) |
| CONSTRUCTION | : Die-cast aluminum housing |
| WEIGHT | : 1 pound (450g) |
| ACCESSORIES INCLUDED | : 35 reflective tabs, pressure sensitive, carrying case, operating instructions |
| WARRANTY | : 1 year |
| DIMENSIONS | : 6-3/4"L × 2-3/8"W × 2"H (172 × 61 × 51 mm) |

BATTERY REPLACEMENT



Low battery voltage is indicated by a flashing "B" readout display. Loosen end cover screws and replace batteries. Please note polarity as reversing polarity will cause unit to show no display.



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SHIMPO DIGITAL TACHOMETER

SHIMPO

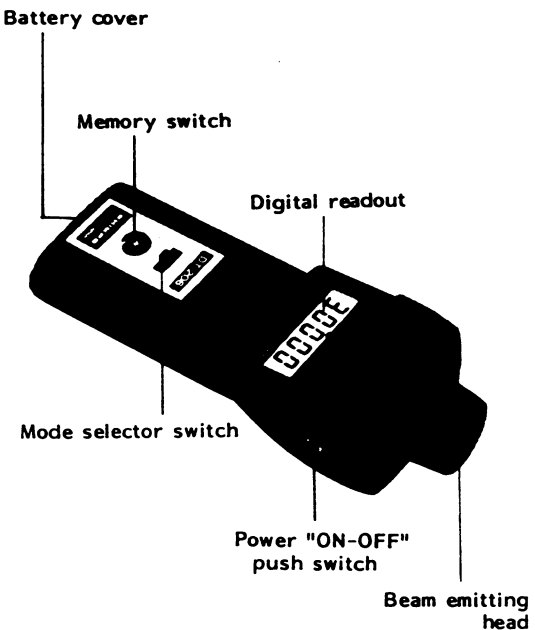
Model DT-206 Instruction Manual

DESCRIPTION

The Shimpo DT-206 is a battery operated, handheld computer-circuitry-controlled, non-contact type tachometer for the measurement of propellers.

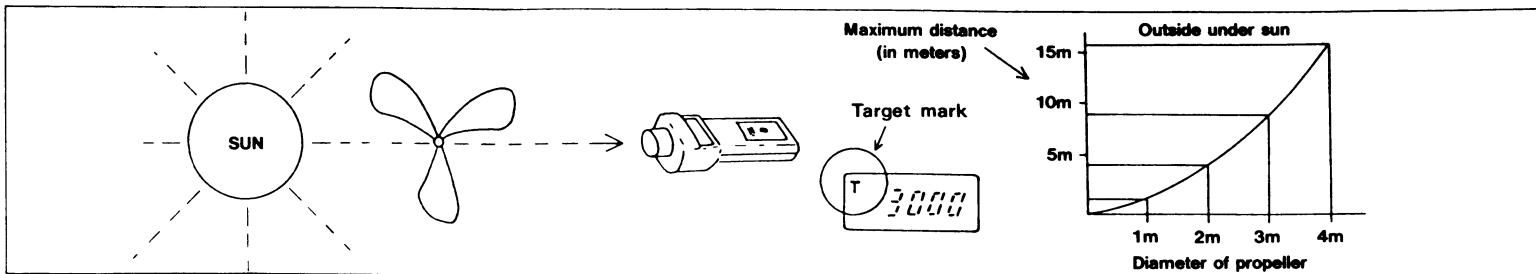
The DT-206 will directly display RPM measurements for 2 or 3 propellers as well as RPM measurements sensed from an easy-to-aim visible light beam directed toward a rotating shaft.





Set selector switch to Mode 2 (for 2 blades on the propeller) or to Mode 3 (for 3 blades on the propeller).

Modes 2 and 3



The light source (sun) must be behind the propellers (facing you) so that the light strikes the DT-206.

If there is insufficient light the unit will not give an accurate reading and the "T" will not light up in the display area. Modes 2 and 3 cannot be used without sufficient back lighting.

During Modes 2 and 3 the internal light will not go on.

The measurement is taken when the dark colored propeller blade passes across a well-lit background.

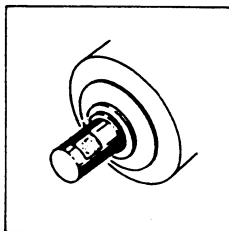
The DT-206 has 3 Modes:

- Mode 1 for normal tachometer usage
- Mode 2 for 2 propellers
- Mode 3 for 3 propellers

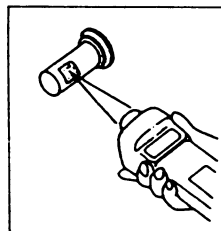
The DT-206 should be aimed perpendicular to propellers. Do not measure from the front of the propellers. Use incandescent light when unit is used inside.

Set selector switch to Mode 1.

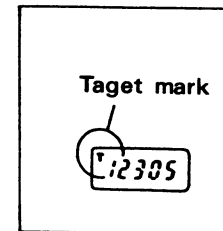
Mode 1



Attach a piece of reflective tape to rotational element. Non-reflective area must always be greater than reflective area. If shaft is normally reflective, cover it with black tape or black paint before attaching one piece of reflective tape.



The device should be aimed perpendicular to the shaft at a distance of 2 inches to 2 feet. Press and hold on-off switch. "T" will appear on display when unit is properly aligned. Aim the beam at the piece of tape.



Hold on-off switch in the on position. Display will be updated in approximately one second intervals.

On-off switch must be released before removal of the device from the metering position. After removal, unit will display last reading. This reading will remain on the display for 2 minutes after release of the on-off switch. This 2 minutes retention may be extended any number of additional 2 minutes periods by repressing the memory switch.

All SHIMPO products are warranted against defects in material and workmanship under normal use.

SHIMPO shall replace or repair any parts proven to be defective within one year after the date of the purchase.

Return the damaged unit to SHIMPO prepaid with a written explanation of the problem.

Any unauthorized attempt at servicing any SHIMPO products will void this warranty.