



*Large, red LED display is easy to see from any angle . . . instantly switches between speed, time interval, or count measurements.*



Optional plug-in pickup allows use in tight areas or permanent mounting as sensor.



The HT100 Hand-Held Rate & Time Indicator's display provides a highly visible reading, even in dim light or at indirect viewing angles.

When used as a non-contact indicator, a marker (reflective tape, supplied) is placed on the shaft, or other target that is to be measured. The HT100 is then simply pointed at the marker to read rate-per-minute, seconds-per-event, or counts. An in-contact adaptor is provided that allows display of linear feet or meters per minute, RPM, or counts.

- Complete kit – includes Hand Tachometer, in-contact adaptor, carrying case, and reflective tape
- Microprocessor circuit allows switch selection of rate, time, or counting modes
- High contrast LED display can be easily seen in dim or shadowed lighting conditions
- Measures speeds from 3 rpm to 99,999 rpm
- Fixed or floating decimal point operation
- Automatic shut-off with display memory recall
- Up to eight hours operating time from set of standard AA cells
- Target-detect, and battery-low indicators
- Lightweight yet rugged design, fits comfortably in hand
- Optional plug-in pickup allows remote or fixed mount sensing

The HT100 system is packaged in a rugged carrying case. A generous supply of reflective tape is included.

## SPECIFICATIONS

**Measurement Range:** RPM: 3 to 99,999; M/min: 0.3 to 19,999; Ft/min: 0.3 to 19,999; Time-interval: 0.01 to 99,999 sec.; Counts: 1 to 99,999

**Display:** 5 digit red LED, 0.4" (10.5 mm), floating decimal in autorange mode

**Display Update Time:** 0.8 second above 75 rpm, time between pulses below 75 rpm

**Accuracy:** RPM:  $\pm 0.05\%$  of reading,  $\pm 1$  digit; M/min & Ft/min:  $\pm 2\%$  of reading

**Time Base:** Crystal controlled

**Auto/Fixed Ranges:** User selectable via yellow switch

**Resolution:** Rate, Fixed Decimal Mode:  $\pm 1$  digit; Rate, Autorange: Maximum 0.001 units (revs/meters/feet); Time Modes: Max. 0.01 sec., autoranging only; Count Mode: 1 count (1 pulse/shaft rev. in contact mode)

**Auto Power-Off:** After release of button, reading displayed for 10 seconds then switches off

**Memory Recall:** Last reading available for up to 1 minute after automatic power-off

**Over Range:** Display flashes

**Under Range:** Display reverts to zero (rate modes)

**On Target Indicator:** Green LED glows when optical alignment is correct

**Battery Low Indication:** Red LED glows when batteries are nearing replacement level

**Optical Range:** 1" - 3 feet (25 mm - 1000 mm)

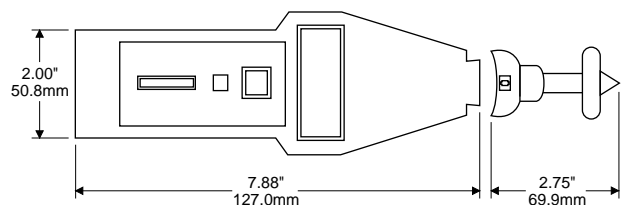
**Light Source:** Visible light, long life lamp

**Operating Temperature:** 32° to 113° F (0 to 45° C)

**Net Weight:** 1 lb., 12 oz. (794 g)

Model No.	Description
HT100	Hand-Held Rate & Time Indicator Kit, includes in-contact adaptor, reflective-tape, batteries, case
PROB00	Plug-in Pickup; allows remote sensing
PMB	Bracket for Plug-in Pickup
616483-001	Replacement supply of reflective tape
605153	Replacement in-contact adaptor (includes wheel & tip)
605156	Replacement in-contact wheel
605154	Replacement in-contact tip

## Dimensions:



## Typical Applications:

