DYNAPAR brand
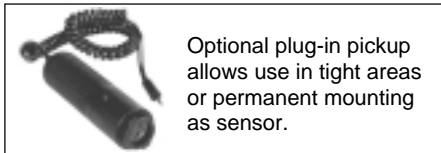## *Rate Indicators/Controllers*

HT100 Hand Tachometer

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.

CE

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.

For LCD Hand Tachometer, see HT50
For Panel-Mount Tachometer, see A103

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: ±0.05% of reading, ±1 digit; M/min & Ft/min: ±2% of reading

Time Base: Crystal controlled

Auto/Fixed Ranges: User selectable via yellow switch

Resolution: Rate, Fixed Decimal Mode: ±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

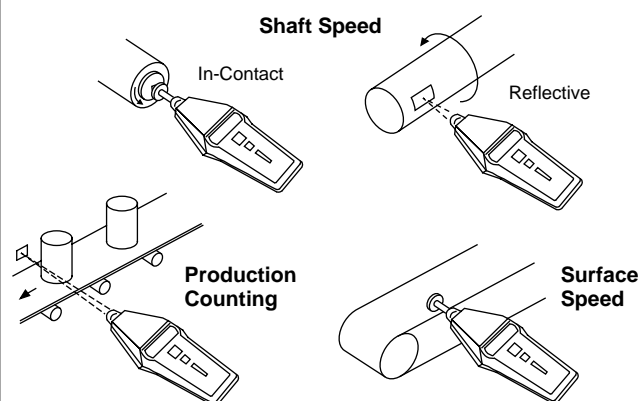**Battery Low Indication:** Red LED glows when batteries are nearing replacement level

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
0616483-001	Replacement supply of reflective tape (3.5" x 3/8")
605153	Replacement in-contact adaptor (includes wheel & tip)
605156	Replacement in-contact wheel
605154	Replacement in-contact tip

Typical Applications:

Shaft Speed

In-Contact

Reflective

Production Counting

Surface Speed

Dimensions:

2.00" 50.8mm

7.88" 127.0mm

2.75" 69.9mm

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RATE INDICATORS and CONTROLLERS