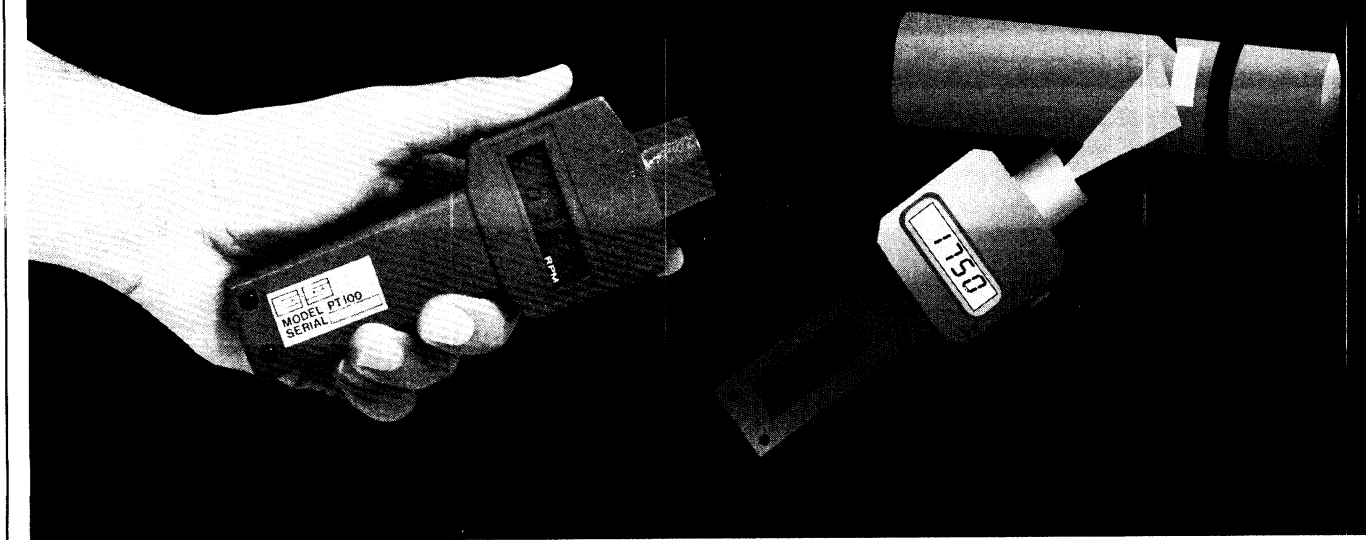


ELECTRO

SENSORS

# PHO-TACH

## Handheld Tachometer • Model PT-100



### Features:

- ▶ Simple Non-Contact Reading of RPM
- ▶ Accurate to  $\pm 1$  RPM
- ▶ Large Easy to Read LCD 5 Digit Display
- ▶ Broad RPM Range, 6 – 30,000
- ▶ Uni-Directional Operation
- ▶ High Performance C-MOS Micro-Processor
- ▶ Automatic Shut Off
- ▶ Carrying Case, Batteries and Reflective Tabs Included

### Description:

The Electro-Sensors Pho-Tach Handheld Photoelectric Tachometer employs the latest microcomputer technology for quick, reliable non-contact shaft speed measurements. The Pho-Tach projects a visible beam of light that bounces back from a single piece of reflective tape placed on the shaft to be measured. The easy to read 5 digit liquid crystal display updates approximately every second for a continuous indication of RPM. The tachometer case is made of rugged ABS resin and fits the hand comfortably.

### Operating Instructions:

1. Attach reflective tab to rotational object. (Do not cover more than one-half of shaft).
2. Aim tachometer beam perpendicular to rotating object at a distance of 2" - 12". ("T" will appear in corner of display when alignment is proper).
3. Keep "ON" switch depressed during measurement.

4. Last reading will be displayed for 2 minutes (New measurements can be taken during this time if power switch is pushed).
5. Power will shut off automatically 2 minutes after last reading.
6. If display shows flashing "B", replace batteries.

### Specifications:

Measurement Range . . . . .	6 - 30,000RPM*
Display . . . . .	LCD, 5 Digit (23/64" high)
Update Time . . . . .	1 Second (approx.)
Time Reference . . . . .	Quartz Crystal Oscillator (32.768 KHz)
System Control . . . . .	C-MOS Single Chip Microcomputer
Accuracy . . . . .	$\pm 1$ 6 - 5999 RPM $\pm 3$ 6000 - 30,000RPM
Power Source . . . . .	4 pcs. 1.5V AA Batteries
Detection Distance . . . . .	2" - 12" (30-30,000 RPM) 2" - 4" (6-30 RPM)
Operating Temperature . . . . .	32°F - 113°F (0° - 45°C)
Construction . . . . .	ABS Molded Resin Case
Accessories . . . . .	35 Reflective Tabs, Carrying Case, Instructions
Battery Life . . . . .	3 Hours Continuous Use Under Normal Conditions

\*Overscale is indicated by all digits showing decimal points



Electro-Sensors, Inc.