



TA110

Laser Tachometer and Counter

 Made in Canada

How it works

The TA110 laser tachometer works by aiming a red laser beam against a rotating object marked with a reflective spot. The microcontroller remotely measures the rate at which the laser beam is reflected back, calculates the RPM and displays it on the LCD screen.

It can be used to measure the number of rotations per minute (rpm) of any spinning shaft, pulley, wheel, drive belt, fan, or other rotating parts, safely and accurately.

Laser tachometers have the advantage of being able to measure rpm without being directly in contact with the rotating shaft or any moving parts.

Simple and easy to use

- ▶ Simply apply a small piece of the reflective tape supplied to the rotating object under measurement.
- ▶ Point the Laser at the reflective tape.
- ▶ Read RPM on the LCD Display.

Main features

- ▶ State of the Art patented ergonomic design and styling for enhanced handling and use.
- ▶ Wide measuring range : 1 to 99,999 RPM .
- ▶ Wide distance range: 2" to 20" (50 to 500 mm).
- ▶ Quick selection between RPM and Count functions.
- ▶ Maximum and minimum memory recall functions.
- ▶ Continuous reading and data hold modes.
- ▶ Quick response: <0.3 seconds (depending on the object RPMs).
- ▶ Laser sight for high contrast and accurate targeting.
- ▶ Large LCD display with symbols and backlight.
- ▶ Measures RPM without contact.
- ▶ Safely measures RPM from a distance, away from hot and/or moving parts.
- ▶ Soft holster for instrument protection.
- ▶ Auto power off.

Technical Specifications

Display:

- ▶ Large 5 digits LCD display
- ▶ Display backlight
- ▶ On target and hold indicators
- ▶ Laser on indicator
- ▶ Maximum and minimum indicator
- ▶ Measuring mode indicator
- ▶ Low battery indicator

- ▶ **Measurement range:** 1 to 99,999 RPM
- ▶ **Resolution:** 1 RPM or 1 Count
- ▶ **Operating Temperature:** 32°F to 122°F (0°C to 50°C)
- ▶ **Response time:** <300 mS (above 200 RPM)
- ▶ **Target distance:** 2" to 20" (50 to 500 mm)
- ▶ **Accuracy:** ± 0.05% of reading, ± one digit
- ▶ **Sensor Type:** Phototransistor
- ▶ **Laser Pointer:** Laser Diode, < 2mW output wavelength 630-670 nm, Class II
- ▶ **Power Source:** 9-volt battery type NEDA 1604, IEC6F22 IEC 6LR61
- ▶ **Battery life:** Approx. 6 hours (w/alkaline batteries)
- ▶ **Power Saving:** Automatic shut off after 10 seconds
- ▶ **Dimensions:** 7.00"(H) x 1.88"(W) x 3.13"(D), 178 mm x 48 mm x 80 mm
- ▶ **Weight:** 7.6 oz or 215 g (w/battery)

Applications:

- ▶ Automobiles
- ▶ Industrial
- ▶ Aviation
- ▶ Agricultural
- ▶ Marine
- ▶ Internal combustion engines

Performs:

- ▶ Electric motors
- ▶ Compressors
- ▶ Centrifuges
- ▶ Pumps
- ▶ Fans



TA110 Includes:

- TA110
- Soft Pouch
- 3 strips of 0.5" x 8" (12 x 200mm) self adhesive reflective tape
- 9V alkaline battery
- User's Manual



Other GTC products

Product designed and manufactured in Canada



ST05
Oxygen Sensor Tester and Simulator



CT8002
Professional Cordless Computer-Safe Circuit Tester



FF310
FaultFinder Open and short circuit finder and tracer



CM Series
From 1 mA up to 1000 A AC/DC current clamp meters



LTX Series
From -20° up to 1400 °F Infrared thermometers with laser sight



CT Series
Automotive and industrial digital multimeters



TA Series
Smarttach - Tachometers and Engine Analyzers

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