



TA303 SmarTach Diesel & Gasoline Engine Tachometer



Simple and easy to use

- Read RPM from the driver seat by connecting it to the cigarette lighter socket or from the engine bay by connecting directly to the battery.
- Select the number of cylinders and cycles for the engine.
- Press the calibration button to start reading RPM within a few seconds.

How it works

The TA303 Smartach is a tachometer designed for use on any engine equipped with an alternator, and only requires a simple connection to the electrical system (e.g. battery, alternator, cigarette lighter connector) to measure engine RPM. Taking advantage of the ripples generated by the alternator, the TA303 automatically calculates the relationship between the speed of the engine and the alternator ripples, and uses them to measure RPM on any piston engine regardless of its ignition system (Diesel or gasoline).

The TA303 does not require direct contactor line of sight to rotating parts, or reflective tape like with optical tachometers, or mounting of special sensors or pickups, or other specialized equipment.

The TA303 comes with the cables to connect to the battery or other accessible power outlet, a cigarette lighter socket connector and 10' extension cable.

Multiuse tachometer:

Advanced technology for measuring RPM in Diesel and gasoline engines without complicated or lengthy setups, it works with any engine equipped with an alternator

For use with:

- Diesel engines
- Gasoline engines
- CNG engines, and others

Safe to use, it does not require:

- Contact with any part of the engine
- Maintaining line of sight of rotating parts
- Attaching reflective tape
- Placing optical or magnetic sensors on the engine

Technical Specifications

Display:

- Large 4½ digits LCD display
- Measurement unit indicator
- Number of cylinders indicator
- Number of cycles indicator

RPM measurement

- Range: 200 to 9,999 RPM
- Resolution: 1 RPM
- Accuracy: $\pm 0.5\%$ +2 LSD

Response time:

<300 mS (above 200 RPM)

Input connector:

BNC jack

Cables and connectors:

3.0' (1.5 m) cigarette lighter socket connector

6.5' (2.0 m) with battery alligator clips

10' (3.0 m) extension

Input voltage range:

8.2 to 42 VDC

Power consumption:

0.15 Amperes maximum

Dimensions:

6.3"(H) x 4.0"(W) x 1.5"(D) or

160 mm x 102 mm x 38 mm (without cables)

Weight:

9 oz. or 255 g (without cables)

TA303 set includes:

- TA303
- Protective rubber holster
- Hard carrying/storage case
- Cigarette lighter socket connector cable
- Battery connectors cable
- Extension cable
- User manual
- 1 year parts and labor warranty

Applications:

Exhaust emission testing

Exhaust noise testing

Heavy equipment

Automotive

Agricultural

Industrial

Marine

