

GTC

Distributorless
Ignition
Systems (DIS)

Conventional
Distributor
Ignition
Systems

Magneto
Ignition
Systems



Simple and easy to use

- ▶ Select the number of cylinders and number of strokes.
- ▶ Select type of measurement (RPM or spark plug voltage).
- ▶ Place the spark plug wire in the capacitive pick-up to measure spark plug voltage, or near the spark plug wire to measure RPM.
- ▶ Read live, maximum and minimum spark plug voltage or RPM on the LCD display.

TA100 description

The TA100's proprietary technology allows the user to measure RPM in a wide range of engines, from small to large, and perform quick and reliable diagnostics of non-starts, misfires, fouled up or damaged spark plugs and/or spark plug wires, by comparing digital read-outs of the spark plug voltage between cylinders on engines using conventional distributor/ignition coil, DIS (Distributor-less) or waste spark and magneto ignition systems.

Simple to use, the TA100 requires no special adapters, cables or scope and is equipped with a large digital display that shows real time, maximum and minimum spark plug voltage and RPM, of engines from 1 to 12 cylinders, and 2 and 4 cycles .

TA100

Tachometer and Ignition Analyzer

Special features:

- ▶ New and unique technology for measuring RPM and spark plug voltage, without the need for cables or hook ups.

Measures and displays in real time:

- ▶ Spark plug voltage.
- ▶ RPM.

For use in engines equipped with:

- ▶ Conventional ignition coil/distributor, direct or wasted spark (DIS) and magneto ignition systems.
- ▶ 1, 2, 3, 4, 5, 6, 8 and 12 cylinders.
- ▶ 2 and 4 cycles.

Quick and easy diagnostics of:

- ▶ Non-starts.
- ▶ Misfires.
- ▶ Defective coils.
- ▶ Fouled or damaged spark plugs.
- ▶ Damaged spark plug wires.

Technical Specifications

Display:

- ▶ Large 4½ digit LCD main display and two 3½ digit secondary displays for maximum and minimum
- ▶ Measuring units indicator
- ▶ Number of cylinders indicator
- ▶ Number of cycles indicator
- ▶ Spark detection indicator
- ▶ Low battery indicator

RPM measurement

- ▶ Range: 200 to 19,999 RPM
- ▶ Resolution: 1 RPM
- ▶ Accuracy: $\pm 0.1\% + 1 \text{ LSB}$

Spark (peak) kV

- ▶ Range: 0 to 49.9 kV
- ▶ Resolution: 0.1 kV
- ▶ Repetitivity: $\pm 0.2 \text{ kV}$

Response time:

- ▶ <300 mS (above 200 RPM)

Flexible probe:

- ▶ 7.5" (195 mm) long with capacitive pick-up

Power Source:

- ▶ 9-volt battery type NEDA 1604

Battery life:

- ▶ Approximately 25 hours (w/alkaline battery)

Power Saving:

- ▶ Automatic power off after 1 minute of inactivity

Dimensions:

- ▶ 6.1"(H) x 4.0"(W) x 1.5"(D) or
155 mm x 102 mm x 38 mm (without probe)

Weight:

- ▶ 11.8 oz or 335 g (w/battery)

TA100 set includes:

- ▶ TA100
- ▶ Protective rubber holster
- ▶ Hard carrying/storage case
- ▶ 9 Volt alkaline battery
- ▶ User manual
- ▶ 1 year parts and labor warranty

Applications:

- ▶ Automotive
- ▶ Industrial
- ▶ Aviation
- ▶ Agricultural
- ▶ Marine
- ▶ Small engines



Product designed and manufactured in Canada

Other GTC products



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 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



TA110
Laser Tachometer and
Counter



**General
Technologies
Corp.**

TA100 Parts and Accessories

Part Number: **TA100CC**

Hard Case for Carrying and Storage

- **Included with TA100**
- Impact and chemical resistant polypropylene construction
- Foam padded interior
- Physical dimensions: 10" x 7.87" x 2.38"
(254 x 200 x 60.5 mm)



Part Number: **TA100HR**

Protective rubber holster

- **Included with TA100**
- Replacement rubber holster
- Made of durable synthetic rubber material
- Physical dimensions :6" (H) x 4" (W) x 1.5"(D)
(158 x 100 X 37 mm)
- Available in two colors: red or blue

