

- Select the ignition system to be measured (spark plug wire or coil on plug), and the number of cycles.
- Place the capacitive pick-up (yellow tip) on top of the spark plug wire or ignition module.
- Read spark burn (firing) time, spark peak voltage and engine RPM on the LCD display.

How it works

The TA500 Smartach+COP Multisystem Ignition Analyzer unique and proprietary technology allows the user to 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 and spark burn time between cylinders on engines using coil on plug, coil near plug, conventional distributor/ignition coil, DIS (distributor-less) or waste spark and magneto technologies.

Simple to use, the TA500 requires no special adapters, cables or scope and is equipped with a large digital display that shows spark plug voltage, spark burn time, engine RPM, as well as maximum and minimum readings in real time.

Multisystem Ignition Analyzer

Special COP mode:

New and unique technology for testing coil on plug and coil near plug systems produces more consistent and reliable results.

Quick and easy diagnostics of:

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

No special adapters, cables or scope required:

- Measures and displays in real time
- Spark plug voltage
- Spark burn (firing) time
- ► Engine RPM
- Maximum and minimum readings

Technical Specifications

Display:

- ► Large 4½ digit LCD main display and two 3½ digit secondary displays
- Measuring units indicator
- Measuring function indicator
- Spark detection indicator
- Maximum and minimum readings
- Low battery indicator

RPM measurement

- Range: 200 to 19,999 RPM
- Resolution: 1 RPM
- Accuracy: $\pm 0.5\% + 1$ LSD

Response time:

<300 mS (above 200 RPM)</p>

Flexible probe:

► 12" (30 cm) long with capacitive pick-up

Power Source:

9-volt battery type NEDA 1604

Battery life:

Approximately 20 hours (w/alkaline battery)

Power Saving:

Automatic power off after 3 minutes 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:

12.4 oz or 355 g (w/battery)

TA500 set includes:

- __ TA500
- Protective rubber holster
- Hard carrying/storage case
- 9 Volt alkaline battery
- User manual
- 1 year parts and labor warranty

Other GTC products



Oxygen Sensor

Simulator



Professional Cordless Computer-Safe



FaultFinder Open and Short Circuit Finder and Tracer



From 1 mA to 1000 A Clamp Meters

From -20° up to 1400 °F



Infrared Thermometers with Laser Sight



TA500 SmarTach+COP

Automotive and



Product designed and manufactured in Canada

Industrial Digital



Laser Tachometer and Counter

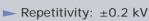


Range: 0 to 50 kV Resolution: 0.1 kV Accuracy: ±0.1 mS + 1 LSD

Spark burn (firing) time

Range: 0 to 10.0 mS

Resolution: 0.1 mS



Applications: Automotive

Industrial

Agricultural

Aviation

Marine

Spark (peak) kV

TA500 Parts and Accessories

Part Number: TA500CC

Hard Case for Carrying and Storage

- Included with TA500
- 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: TA500HR

Protective rubber holster

- Included with TA500
- 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

