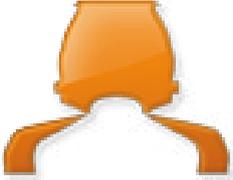




# OCTOBER IGNITES

[www.OLCT.co](http://www.OLCT.co) 

# IGNITION SYSTEM ANALYSER

The smartach COP multisystem ignition analysers (TA500) technology allows the user to perform **quick** and **reliable** diagnostics of no starts, misfires, fouled up or damaged spark plugs and/or ignition leads, 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 a scope and is equipped with a large digital display that shows spark plug voltage, spark burn time, RPM, as well as Min/Max readings in real time.

## Multisystem ignition analyser

Measures spark plug voltage from 0 to 50,000 Volt's

Measures spark burn time from 0 to 10 ms

Special antenna sensor allows quick testing of Coil on Plug and Coil near Plug modules, and easy hook-up to spark plug and ignition coil wires. No ground wire connections required, for fast troubleshooting

## Tachometer function

For 1 to 12 cylinders and 2, 4 cycles with special DIS mode.

Measures from 200 to 20000 RPM

Micro controller technology yields 0.5 % accuracy

Works on Coil on plug, Coil near Plug, DIS,

Conventional, Magneto and other spark ignition system.

## Technical Specifications

**Display:** Large 4-1/2 Digits LCD + 2 x 3-1/2

**Tachometer Range:** 200 to 19999 RPM

**Cycles:** 2 and 4 Cycles, and DIS

**Tachometer accuracy:**  $\pm 0.5\%$  + 1 LSB

**Response time:** 0.3 Seconds

**Ignition peak voltage range:** 0 to 49.9 KVolt

**Probe:** 30 cm flexible probe with capacitive pick-up

**Secondary ignition pick up:** Capacitive sensor

**Power Source:** One standard 9 Volt battery

**Battery life:** Approx. 20 hours of operation

**Power Saving:** Auto power off after approx 3 min

**Kit Includes:** Handset, Protective rubber holster Hard padded case for carrying and storage, 9 Volt battery, User's Manual

**-Measures ignition burn time**

**-Measures ignition kilovolts**

**-Measures RPM**

\$439.23



## Easy Tests

**-Coil on Plug**

**-Coil near Plug**

**-Distributor/ignition coil**

**-DIS**

**-Waste spark**

**-Magneto**



# O2 SENSOR TESTER / SIMULATOR

- Displays the sensors output signal in a real time bar graph
- LED display shows the sensor output cross count
- Measures response time during acceleration test and provides pass / fail results
- Simulate rich or lean outputs to monitor response from ECU
- Test sensors On or Off car
- Advanced connection detection makes set-up easy

The ST05 automatically detects common wire miss-connections like ground, heater wires, disconnected test leads, reversed polarity etc. and displays these on the alphanumeric display. It only requires the connection of two probe clips to the oxygen sensor wires, and the selection of the oxygen sensor type.

By pressing the 'Test' button and performing a snap throttle acceleration of the engine, it tests the response time of the sensor and shows a pass or fail result within seconds. Two buttons allows for simulation of rich or lean conditions to monitor response of the ECM. Diagnoses "lazy" sensors, which may not set DTCs, but cause drivability problems.

Excellent preventive maintenance tool, to diagnose sensors that need to be replaced **before** they set DTCs or completely fail

## Technical Specifications

Display: 2 digits LED alphanumeric display, 20 segments LED bar graph with 0 to 1 Volt or 0 to 5 Volt ranges

Cross Count: 0.1 to 10 CPS

Response test: <100 ms Pass +/- 5 ms, >100 ms Fail +/- 5 ms

Test leads: 2 wire piercing alligator clips, and 6.5 ft cables

Power Source: One standard 9 Volt battery

Battery life: Approx. 25 hrs, with auto power

Input Range: 0 to 5 Volt

Input Protection: +/- 48 VDC Max, current limited

Auto Detection: Detects reversed polarity, ground, heater and open connection

Kit Includes: Handset, Two piercing clips with 6 ft. cables, Protective rubber holster, Carrying case, 9 Volt battery, User's Manual

**\$324.20**



## Easy Tests for all O2 Sensors

-1,2,3,4 & 5 wire

-Zirconium

-Titanium 1 volt

-Titanium 5 volt

-Wide Band

-Heated or unheated

# OPEN AND SHORT FINDER

- Connect transmitter in circuit
- Receivers LED's show Open / Short
- Audible proximity indicator
- No wire piercing (non contact technology)

The Open and Short Fault finder (FF310) is makes tracking and tracing short and open circuits, broken wires and current leaks on any electrical circuit with voltages from 6 to 42 Volt DC easy. It only requires connecting the transmitter in series with the circuit or wire under test, (i.e.: in place of a blown fuse, across a connector, in series with an open wire, a light bulb socket, etc.), and scanning the circuit/wire with the tracer's flexible probe to find the trouble spot. In most cases, you will even be able to locate the problem area without having to untie harnesses, open conduits or remove panels.

- Automatic short/open detection and auto polarity detection
- Flexible 8" antenna probe
- Internally protected against power surges and overloads.
- Transmitter and Receiver LEDs show open or short circuit conditions.
- Variable audio/visual signal provides fast and intuitive feedback on the circuit/wire proximity.
- Adjustable sensitivity for all tracing situations.

## Technical Specifications -Transmitter-

**Indicators:** Green LED for power On and Open circuits.  
Red LED for short circuits.

**Power source:** 9-volt alkaline battery

**Battery life:** approx. 25 hrs.

**Connector:** Two 5 A alligator clamps with auto polarity

## Technical Specifications -Receiver-

**Sensitivity:** Three user selectable sensitivity levels (low, medium and high).

**Receiver probe:** Flexible 8" gooseneck insulated steel probe.

**Indicators:** Green LED indicator for power on and open circuits. Red LED indicator for short circuits. Variable flashing and modulated audible signal.

**Power source:** Standard 9-volt battery

**Battery Life:** approx. 25 hrs. Auto Power Off.

## Electrical Specifications

**Input Voltage range:** 6 to 42 Volt DC.

**Input DC Current:** Unlimited (internally limited)

**Voltage output:** 5 Volt DC maximum

**Current Output:** 100 mA DC rms maximum

**Kit Includes:** Transmitter ,Receiver, Fuse block adapters, Computer safe cordless circuit tester, Hard padded case for carrying and storage, User's Manual

## Easy Tests

- Opens
- Shorts
- Broken Wires
- Current Leaks
- 6 to 42 volts

\$329.02



# PRO TEST LEAD KIT

- 1.6 Meter Interconnect leads
- Test Probes
- Flexible silicon back probe pins
- Bed of nails wire piercing clamps
- Heavy duty insulation piercing clips
- Crocodile clips
- Deluxe storage pouch

\$80.10



Pro Test Lead Kit includes our premium set of interchangeable specialist test probes designed for automotive use. This lead set features an extended length of 64 inches/ 1.6 meters. The flexible back probing pins are great for sliding into automotive connectors like those on fuel injectors and MAP sensors. In addition, the large Crocodile Clips are good for clipping to grounds and battery terminals. Includes roll up storage pouch to keep your leads organized. These are compatible with most DMM's and scopes.



# DIGITAL BATTERY & SYSTEM TESTER

- Easy and accurate results
- 6 - 12 Volt batteries
- 12 & 24 Volt starting and charging

The digital battery, charging and starting system tester (ES725) provides fast and accurate results with guided test sequences the 725 displays

- Battery state of health
- Actual CCA capacity
- Charge percentage
- Cranking volts
- Charge rate with and without loads
- AC Ripple voltage diode test
- Temperature compensation

The 725 removes surface voltage prior to testing and the 2 line backlit LCD displays test results.

## Specifications:

- Batteries Tested:** 6 and 12 Volt
- Charging Systems:** 12 and 24 Volt
- State of Health:** Actual Battery CCA and %age
- State of Charge:** Battery Voltage and %age
- CCA Test range:** 40-2000 CCA
- Rating Systems:** SAE, DIN, EN, IEC
- Tests Discharged:** Down to 1.5 Volts



## Automated Tests

- Battery Condition
- Starting System
- Charging System

\$318.64



# FUSE BUDDIES

## No more paper clips, Get a Fuse Buddy

Can be used to diagnose a variety of amperage draw problems including:

**Fuel Pumps**

**Battery Drains**

**Blower Motors Shorts**

Also handy for installers needing to monitor circuit amperage limits.

### -Multimeter Adaptor Leads

Clever design allows for easy connection into fuse sockets.  
Fuse Buddy DMM Adapter, for both Mini & ATC fuses  
Fuse Buddy ends are moulded into the shape of the fuse itself.



During testing the fuse is removed and replaced into the Fuse Buddy. This way, the circuit being tested maintains fuse protection.

The Fuse Buddy stays put and won't fall out of the socket, like test probes do.

Can even be used to test for parasitic drains!

Specifications

Can measure as high as 20 Amps/48 Volts

Multimeter Amp range determines max current range.



**\$15.90<sup>ea</sup>**

### -Current Loops for use with a current clamp

Just clamp your current probe over the loop to access the amperage draw through a fused circuit.

Easy testing access, plugs right into fuse socket, no more hand made adapters.

Testing range 0-30 Amps



**\$18.29<sup>ea</sup>**

### -Fuse Buddy Pro amp meter

Great new tool with 3 interchangeable test functions.

- 1) 30 Amp MINI - Circuit Amperage Testing
- 2) 30 Amp ATC - Circuit Amperage Testing
- 3) 30 Amp All Purpose Amperage Testing

**\$81.07**

The new Fuse Buddy Pro Kit can read amperage draws on both ATC and Mini fused circuits up to 30 Amps. As an added bonus, the Fuse Buddy Pro can be used as an all purpose amp meter with the included 30A test clips.

Installing an auto-resetting circuit breaker allows you to check for intermittent shorts and monitor the current draw at the same time

Also handy for checking current readings on A/C compressors that are not easily accessible  
Deluxe LCD display features full ANALOG BAR GRAPH

Unit features DATA HOLD and AUTO POWER-OFF

Resolution: .1A (100 mA) - Accuracy: +2% of reading

Measurement range: 0 to 30 Amps / 48 Volts



