

AUTOMOTIVE MULTIMETER / DIGITAL PRESSURE & TEMPERATURE ANALYZER ELECTRONIC DIAGNOSTICS

3505A

100 Series Autoranging Automotive Multimeter

The 3505A is the latest version of the Classic 100 Series Autoranging Automotive Multimeter with many new and useful troubleshooting features.

Product Features:

- Auto/Manual Ranging
- Resistance, Continuity, Diode and Capacitance Tests
- RPM Measurement
- Temperature Measurement (°F/°C)
- Millisecond Pulse width and Peak Volts measurements for Fuel Injectors
- Duty Cycle and Frequency to 10M Hz
- Dwell Measurement
- O2 Cross counts
- Relative Measurement, can be used for low resistance measurements to remove test lead resistance from measurement
- Data Recording: Min/Max for fluctuating measurements
- Data Hold, freeze data at the push of a button
- Fused direct current measurement up to 10 amps through meter
- Auto Power Off (can be disabled)

3505A 100 Series Autoranging Kit Includes: 100 Series Automotive Multimeter, heavy-duty test leads with removable alligator clip ends, inductive RPM clamp, temperature probe.



SCOPE AND METER ACCESSORIES

3820-13

Low-range amp probe with display – use alone or connected to scope. Long, small jaws combined with superior performance are ideal for: Ignition coils, Fuel injectors, Fuel pumps, Relays, Electric motors, Parasitic draw.

- 0–60A range, measure to 90A, 100mV/A
- High accuracy, and low noise interference
- Non-intrusive AC/DC current measurement
- Resolution: 10mA
- Average responding, RMS calibrated
- Auto ranging, auto zero, data hold, low battery indicator



3820-06

Low-range amp probe – Measures current in two ranges: 0-60 amps AC/DC. Ignition coils, Fuel injectors, Relays, Electric motors, Parasitic draw, Non-intrusive AC/DC current measurement.



3825-54

Mid-range amp probe with BNC adapter. Measures current in a range of 2–600 amps AC/DC.



3840-04

Test probes. Three pieces: red, yellow, black.



3840-05

Back probes. Three pieces: red, yellow, black.



3840-03

3-piece, 5-way alligator clip - Plug-on multiple-use clip includes: bed of nails, piercing tip, alligator clip, spade and square lug connectivity.



3840-02

Banana lead extension includes two 4 ft. leads.



MULTI-APPLICATION DIGITAL PRESSURE AND TEMPERATURE ANALYZER

Combining the functions of vacuum, oil pressure, hydraulic system pressure, fuel pressure, transmission pressure compression, and air conditioning—all in one!

No need to have fuel or transmission hoses inside vehicle during a road test. No makeshift taping of gauges to the windshield.

Use with OTC's No. 3398 to find clogged/dirty fuel injectors.

Pinpoints worn power steering pumps or racks.

PSI reading for hydrostatic drives and high pressure hydraulics.

Finds blocked intake ports and plugged catalytic converters.

Checks transmission cooler efficiency and catalytic converter temperatures.

"Min/Max." pinpoints:

- Fuel restrictions
- Plugged filters
- Weak fuel pumps
- Transmission pressure spikes

"Delta Zero" monitors fuel pressure drop caused by faulty check valves.

Displays readings in BAR for checking European specs.

See Scope/Meter accessories for temp probes.

Permits comparison of ABS brake pressures at each wheel.



3490

Deluxe digital pressure/temperature analyzer with four pressure input receptacles and protective boot. **Set includes** (500 psi) transducer, 12' cable, 8-1/2" hose, bead-type temperature probe, assorted fittings, plastic storage case, instruction manual.



3492

Heavy-duty digital pressure/temperature analyzer with four pressure input receptacles and protective boot. **Set includes:** No. 3491-02 (5,000 psi) transducer, No. 3491-13 20' cable, No. 3500-05 bead-type temperature probe, assorted fittings. No. 3491-plastic storage case, instruction manual.



Accessory:

3491-01
500 psi transducer.

3491-02
5,000 psi transducer. Required for ABS and power steering pressure readings.

3491-03
10,000 psi transducer.
(Note: For No. 3492 only.)

3491-11
6' cable.

3491-12
12' cable.

3491-13
20' cable.