

## Features

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### The Ultimate 7 1/2 HP Alternator Tester

- Electronic variable speed control (inverter) with speed range controlled by potentiometer.
- Speed range from approximately 800 to 7,000 R.P.M. to make tests at OEM recommended output speeds and low R.P.M. cut-in speeds.
- Heavy-duty watt saver motor designed for electronic variable speed inverters that ensure energy efficiency and quiet operation.
- Off/forward/reverse motor switch.
- Crumbliss exclusive "ELECTRONIC VARIABLE LOAD CONTROL" provides a uniform increase in load current while safely dissipating output current through a bank of heavy duty wire wound resistors which are fan cooled. This feature eliminates the burnout problem associated with the old-fashioned carbon pile load.
- Diode ripple lamp shows if main diodes are shorted or open.
- Diode trio lamp simulates dash light operation on Delco 10SI and similar integral alternators including the late model alternators.
- Alternator harness for easy hook-up of foreign and domestic alternator test leads.
- Serpentine/V belt combination pulley.
- Heavy-duty #4 welding cables and heavy duty clamps.
- Voltmeter 0-18/36/54 volt scale shows alternator output voltage/integral voltage regulator controlling voltage.
- Ammeter 0-250/500 scale shows output amperage.
- Ammeter 0-250 scale shows battery charging amperage, i.e. amount of current going into battery and not into load.
- Ammeter 15-0-15 scale shows rotor draw where applicable.
- Digital tachometer shows alternator R.P.M. adjustable to compensate for pulley size.
- Sturdy heavy-duty cast iron mounting vise with alternator bracket for quick mounting and removal of alternators.
- Free running 12/24/32 volt no load starter test.
- IGN "R" lamp to indicate proper 'R' terminal operation on Delco starters.
- 12/24/32 voltmeter range switch.
- Voltmeter external switch for testing stator voltage at 'STA' and 'R' relay terminal.
- Alternator output leads are dead until motor is turned on, or until battery ON switch is switched to ON position.
- Battery ON switch for constant battery voltage, if needed.
- 1 1/4" hold down screw securely holds down heavy-duty alternators, generators and starters.
- Heavy-duty field rheostat.
- Oscilloscope plug connectors.
- Four 4 1/2" pivot and jewel analog meters.
- ON/OFF mains lamp.

- Modular design for easy servicing.
  - Heavy duty D.C. power contactors.
  - Fully copper wound class B insulated transformers coated to resist moisture penetration.
  - A/B circuit switch.
  - Hinged belt guard.
  - Field circuit and heavy duty transformers protected by circuit breakers.
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**#2107 Specifications:**

**Watts output:** 12 volt, 300 amps, 3600 watts  
24 volt, 150 amps, 3600 watts  
32 volt, 112.5 amps, 3600 watts

**Shipping weight:** 3 PH - 750 lbs  
1 PH - 900 lbs

**Measures:** 39" x 48" x 30"

**Optional Equipment for #2107**

- 440 volt and 575 volt models available.
- #3000 A to Z test leads for foreign & domestic alternators.