



PS MANUAL

ALTERNATOR / STARTER TEST BENCHES

1.0 Model **TB-E-600STD4**

2.0 Description

Industrial Test Bench **Standard**



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3.0 Features

- **Rotation:** Fully Reversible, Clockwise & Anti- Clockwise
- **Speed Control:** Fingertip dial, Controls Forward and Reverse from Panel.
- **Meters:** Panel Meters are Precision Double Sprung Jewel, Moving coil movement with Anti Static Clear Lenses with built in a Zero correction calibration screw.
- **Tachometer:** Precision Calibrated meter displays Forward and Reverse Speed using Sensitive Tacho Impulse pick up.
- **Voltmeter:** Clear Meter scale reads RPM while digital display reads speed Three meter scales provide easy reading
- **Ammeter:** A heavy duty shunt is built into the Test Bench and three ammeter scales are easily selected
- **Field Terminals:** Switchable 'A' Circuit and " B" Circuit Field warning lights.
- **Belt Drive:** a combination Polly Vee Pulley and "V" Section covers a comprehensive range of todays Alternators and Generators.
- **Side Platform:** Easy to operate acme thread feed screw with crank handle, allows fast and positive belt tensioning.
- **Quick Clamp:** The clamp is a quick and efficient method of clamping Alternators without distorting the casings. Different size Pegs are supplied to suit a range of Alternators and the adjustable mechanical ratchet clamping levers lock the machined side to the hexagonal bar. Saves Time as Alternators are Fitted Quickly.
- **Starter Clamp:** Robust universal "V" Clamp holds generators and Starters
- **Isolation Switch:** An easily positioned ON/OFF Mains power switch and Circuit breaker are fitted.
- **Emergency Switch:** An emergency switch shuts the Test Bench down
- **Battery Isolation:** a Sliding bus bar switch isolates the Batteries
- **Construction:** The Test Bench is Free standing Powder coated zinc steel frame with built in accessory shelf and battery compartment.
- **Australian Standards:** Conforms to **AS1360 Part11 (1980)**

4.0 Physical and Dimensional Properties

- Each unit weighs approximately 135.0 Kg – in Crate 150.0Kg
- Width 840 mm – in Crate 920 mm
- Depth 780 mm – in Crate 1000 mm
- Height 1320 mm – in Crate 1600 mm

- Power Lead 3m Long
- Battery Leads 3 B&S Cable
- 1 x **LS-150** = Lead Set 1mm² Yellow Flex - 900mm Long – Alligator Clip
- 3 x **LS-151** = Lead Set 1mm² Red Flex - 900mm Long – Alligator Clip
- 3 x **LS-152** = Lead Set 1mm² Black Flex - 900mm Long – Alligator Clip
- 1 x **LS-153** = Lead Set 1mm² Green Flex - 900mm Long – Alligator Clip
- 1 x **LS-611B** = Lead Set 10mm² Cable - 1.0m Long – 100 Amp Clamp
- 1 x **LS-611R** = Lead Set 10mm² Cable - 1.0m Long – 100 Amp Clamp



5.0 **Performance**

- DC Capacity: Tests systems 6 -12 -24 Volt as Standard
- Voltage: 240Volt 50 Hz Single Phase
- Drive Motor: Australian made 3.0Kw Low Current
- Test Starters to 500Amps
- Test Alternators and Generators to 1.44Kw
(120 Amps at 12 Volt and 60 Amps at 24 Volt)
- Meters switched between 0-10Volt, 0-20Volt and 0-50 Volt
- Ammeter scales selected between 10-0-50Amps, 20-0-100 Amps and 100- 0-500Amps

6.0 **Uses**

- Suitable for Automotive, Marine, Defence, Councils, TAFE.

7.0 **Documentation**

- Bar Code Number: **9346080001065**
- Product Specification Manual - PS 81
- Work Instruction Manual - WI 81
- Product Costing Manual - PC 81