



Computerized Alternator Tester ALT-85U

Features:

- Test any size alternator via Direct Drive or Belt Drive
- Fully automated precise testing for high volume applications at the touch of a button
- Measures over 100 different alternator parameters
- User configurable Pass and Fail printed reports and labels through a PC and the ALT Report program for virtually unlimited flexibility, or directly to a printer interface from the tester, both can include performance curve, oscilloscope pattern, and test results
- Learning Mode records sample test results for easy setup of test specifications in just minutes
- Checks all types of alternator and voltage regulator terminals and functions such as computer control, soft start delay, feedback, under/over voltage indication, PCM control, load response control, tachometer frequency
- Simulates all signals to the alternator including on-board computer functions
- Measures turn on speed, ripple current, pulley size, input power, voltage regulator instability, stator voltage, reverse diode leakage, can test rectifier voltage drop, regulator saturation voltage, and torque and efficiency (optional)
- 30HP (optional up to 50HP) computer controlled variable speed motor with high reliability Mitsubishi motor drive
- User configurable test procedures with test time from 10 to 60 seconds
- Measures output performance curve in 15 seconds
- Computer controlled 500 Amp (optional 750 or 900 Amp) load bank 6 - 42 Volt with resolution of 0.1V @ 12V



- Separate enclosure to isolate electronic components from heat and vibration
- Test result statistics can be recorded for SPC or analysis
- Endurance test mode for component validation
Test spec database editor for windows
- Includes universal harness and regulator test plugs for popular applications
- Built-in calibration, automatic diagnostic, manual, and detailed report test modes
- Available in many working voltages (220 to 480V at 50/60 Hz).
- Built in battery simulator 6-42V for consistent test conditions
- Optional oil circulation unit, and temperature compensation

Technical Data Measured Parameters:

Output voltage	0 - 50 ± 0.15%	Alternator leakage	0 - 100 mA ± 1%
Stator voltage	0 - 50 ± 0.15%	Feedback voltage	0 - 50V (0 - 100% PWM) ± 0.15%
Output current	0 - 500 A ± 0.15%	Output power	0 - 10000W ± 0.3%
Field current	0 - 15A ± 1%	Memory for unlimited quantity of part number profiles	
Alternator speed	0 - 12000 RPM	Alternator temperature	25 - 200 °C 1% (option)

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