

# Computerized Alternator Tester ALT-100

## Features:

- 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 via MS Excel based report generator for virtually unlimited flexibility, includes performance curve, oscilloscope pattern, test results and much more
- 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, soft start protection, feedback, under/over voltage indication, PCM control, load response control, tachometer frequency and more
- Simulates all signals to the alternator including on-board computer functions
- Measures turn on speed, ripple current, stator balance, pulley size, input power, voltage regulator instability, stator voltage, reverse diode leakage, can test rectifier voltage drop, regulator saturation voltage, and (optional) torque & efficiency
- 11 kW computer controlled variable speed servo motor with high reliability motor drive system
- Test time from 7 to 60 seconds or longer if required
- User programmable test procedures via script engine
- Measures full output performance curve in 4 seconds
- Computer controlled 360 Amp load bank 6 - 42 Volt with resolution of 0.1V @ 12V and constant current or constant voltage modes
- Endurance test mode for component validation
- Test result statistics can be recorded for SPC or analysis



- 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 automatic connection fixtures
- Optional sound and vibration analysis package with the implementing order analysis technique
- Optional vacuum measuring system for alternators with vacuum pump
- Available in four different mechanical configurations

## 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	0-300 A ± 0.15%	Output power	0-10000W ± 0.3%
Field current	0-10A ± 1%	Memory for virtually unlimited part number profiles	
Alternator speed	0-12000 RPM ± 1%	Alternator temperature	25-200 °C 1% (optional)

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