



Computerized Alternator Tester

ALT-184

Single Station

ALT-284

Double Station

Features:

- Direct drive alternator tester available with single or double stations and manual or automatic connections
- Fully automated precise testing for high volume applications at the touch of a button
- Test new generation units with PCM, RVC or LIN Interface
- 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
- 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, input power, voltage regulator instability, stator voltage, reverse diode leakage, can test rectifier voltage drop, regulator saturation voltage, and (optional) torque & efficiency
- 15 or 20 HP computer controlled variable high speed AC spindle motor, high reliability motor drive system with very accurate speed control via encoder feedback and digital interface
- Fast changeover time with exchangeable ring plates for alternator positioning and drive engagement via socket, hex or torx drivers
- User programmable test procedures via script engine
- Cycle time from 11 seconds with automatic connections
- Computer controlled 300 Amp @12V load bank 6 - 32 Volt (42V optional) with constant current, voltage or resistance modes



ALT-284

- Test result statistics recorded for SPC and analysis
- Temperature compensation for test results
- Includes universal harness and regulator test plugs for popular applications
- Built-in calibration, diagnostic, manual, and automatic test modes
- Available in many working voltages (220 to 480V at 50/60 Hz).
- Built in battery simulator 6-36V for consistent test conditions
- Optional sound and vibration analysis package with the implementing order analysis technique
- Optional vacuum measuring system for alternators with vacuum pump

Technical Data Measured Parameters:

Output voltage	up to 50V	Alternator leakage	up to 100 mA
Stator voltage	up to 50V	Feedback voltage	0-50V (0-100% PWM)
Output current	0-300 Amps @12V	Output power	up to 10kW with optional load banks
Field current	up to 10A	Memory for virtually unlimited part number profiles	
Alternator speed	0-9000 RPM (12000 optional)	Alternator Ripple Current	0 - 100 Amps

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