



ALT-186G2

ALTERNATOR TESTER

LABORATORY TESTING

- Programmable Test Profiles for diverse test requirements
- High speed, high accuracy data acquisition for precise measurements
- Customizable software suite for detailed analysis and reporting
- Energy saving "Regen" load banks



The ALT-186G2 is a versatile alternator tester platform that can be configured for laboratory or production testing requirements including alternator performance validation and efficiency measurements. This PC-based tester allows users to create various test studies using programmable scripts and captures measurements and calculated data for further analysis. The ALT-186G2 is available in 'Standard' and 'Heavy Duty' versions.

Features

D&V Alternator Testers

- Reports over 100 parameters including turn-on speed, ripple current, stator balance, input power, voltage regulator instability, stator voltage, reverse diode leakage, rectifier voltage drop, regulator saturation voltage
- Checks all types of 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, RVC, LIN/CAN, BSS and more
- Simulates all signals to the alternator including on-board computer and regulation functions
- High speed, high bandwidth data transfer connection
- Programmable energize power supply
- Ability to create and edit test studies via D&V's scripting technology
- Fully programmable software environment with over twenty virtual instruments, ability to add new instruments, display tools, and programmable functions on the software interface
- User configurable Pass and Fail printed reports and labels via MS Excel based report generator. Reports can include performance curve, oscilloscope pattern, test results and much more

ALT-186G2

- Endurance test mode for component validation
- Capable of temperature compensation of the measured results based on ambient air temperature
- Supplied with various harnesses and regulator test leads for popular applications.
- Ability to create and edit test studies via D&V's scripting technology

Options

- Torque measuring adapter coupled directly to the alternator shaft enables the capture of input power and allows calculation of alternator efficiency
- Sound and vibration measuring package with spectrum & order tracking
- 8 isolated channel temperature measuring units (TMUs)
- Vacuum/oil measuring system for vacuum pump alternators
- Connection for testing with an external battery
- Custom automatic connection fixtures for production

TECHNICAL DATA

Parameter	ALT-186G2	ALT-186G2 HD
Power Loading	Up to 10kW	Up to 28kW available
Output Voltage	0-60 V	0-60 V
Output Current	0-600 Amps	0-1200 Amps
Field Current	0-15 Amps	0-15 Amps
Speed	0-24000 RPM	0-15000 RPM or 0-24000 RPM
Alternator Leakage	0-25 mA	0-25 mA
Feedback Voltage	0-60 V	0-60 V
Optional Torque Sensor	0-50 Nm	0-100 Nm



ISO 9001:2015
 CERTIFIED

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