

ALT-228

Alternator Performance Tester

◆ General Features

- ◇ Performance electrical and efficiency tests,
- ◇ Double station alternator performance test: one indirect drive for performance electrical tests and one direct drive for efficiency tests with torque measurement,
- ◇ Simulation of vehicle alternator networks with electronic loads and batteries,
- ◇ Full computerized bench control and measurements,
- ◇ Alternator electrical features: 300A / 14V, 150A / 28V or 75A / 42V,
- ◇ Test any kind of above defined alternators and its vehicle control interface by RVC, CAN/LIN... communications,
- ◇ Operating temperature -45°C to 200°C or from ambient to 200°C or at ambient.

◆ Software Features

- ◇ Specific software to control the bench with a friendly Graphic User Interface,
- ◇ Manual mode, controls each bench actuator or respective selected measurement,
- ◇ Calibration mode via user interface,
- ◇ Automatic mode test: write very easily program test procedures,
- ◇ Test duration: user defined, even until alternator fails,
- ◇ Digital and graphical displays measurements,
- ◇ Configurable system record measurements data.

◆ Safety Features

- ◇ Hardware emergency stop in case of failure (security chain opened, alternator belt broken, door open..),
- ◇ Configurable alarms and warnings or suspend tests,
- ◇ Suspend mode on alarm event during an automatic test sequence with a user resume command in order to safeguard all data from start of tests.



◆ General data

- Output Voltage
0—50V +/- 0.15%
- Output current
0—300A +/- 0.15%
- Field Voltage
0—50V +/- 0.15%
- Battery Voltage
0—50V +/- 0.15%
- Operating Temperature
Ambient to 150°C +/- 5°C
- Rotor Speed
0 up to 22 000 rpm
- Torque measurement
0 to 50 Nm +/- 0.1%
- Alternator voltage
0-50V +/- 0.15%
- Auxiliary current
0-300A +/- 0.15%

◆ Options

- Operating Temperature
Ambient from -50°C to 200°C
- Extra auxiliary analog & digital I/O
- Additional temperature measurements

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