

Features:

- The most advanced combination of hardware and software for automotive starter testing. Fully automated positioning, clamping and connections for high volume applications at the touch of a button
- High accuracy, including loaded performance, free run speed with sensor and solenoid block Test
- Load test conditions can include speed, torque, current, power and voltage
- Scripting of test procedure provides complete control of test process
- Reject acknowledgement, reject bin input, marking device output, quick change gear, tool less change over in less than one minute, Poke Yoke (mistake proof) tooling recognition system eliminates setup errors, real time statistical monitoring, safety level IV protection, programmable installation and setup instructions, and serial number support
- Ergonomically designed, operator friendly, able to load and unload the starter with ease
- Measures more than 40 different starter parameters including; performance curve with load, free spin current and speed, solenoid current, contact voltage drop, and "R" terminal function
- User configurable Labels, Pass and Fail reports with performance curve plotting torque, power, speed, and voltage
- Computer controlled programmable 1600 Amp starter power, simulating 200 - 2000 CCA battery (0 - 30 milliohms)
- Computer controlled 150 Amp programmable solenoid power supply, solenoid pull-in can be tested at a programmable reduced voltage during the test to insure operation under worst case conditions
- Tests starter, solenoid, drive, and spring engage, disengage timing and optional pinion retract test, these can reveal faulty components or assembly errors
- Built-in oscilloscope, precise waveform analysis which can detect armature, commutator and brush problems
- Optional programmable solenoid "aging" function to seat the solenoid contacts
- Optional sound and vibration measurement available
- Can scan a full performance curve in 15 seconds which increases the accuracy by decreasing test result variation caused by temperature change
- Supplied with flat touch screen color LCD monitor
- Available in many working voltages (220 to 480V at 50/60 Hz)



Technical Data Measured Parameters:

Starter Current	up to 1600 Amps	Contact Voltage Drop	0-2.5 Volts
Starter Voltage	12 & 24 Volts (32V optional)	Starter Efficiency	0-100%
Starter Speed	0-20,000 RPM	Starter Output Power	up to 2.5 kW
Starter Torque	up to 50Nm	Starter Input Power	up to 20 kW
Solenoid Current	up to 150 Amps	Ripple Current	0-200 Amps

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