

Features:

- Fully automated precise testing for high volume applications at the touch of a button
- Load test units rated up to 3.0 - 4.0 kW
- Automatic electrical connections and unit clamping
- Quick-change tooling and fixtures
- Measures more than 40 different starter parameters including; free spin current and speed, solenoid current, contact voltage drop, and "R" terminal function
- User configurable Pass and Fail printed reports and labels with performance curve plotting torque, power, speed, and voltage
- Computer controlled programmable 1500 Amp starter power supply with less than 100mV ripple, 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
- Computer controlled programmable load with stall test function
- Simulates engine starting and tests starter, solenoid, drive and spring engage and disengage timing; this can reveal faulty components or assembly errors
- Built in oscilloscope, precise waveform analysis which can detect armature and commutator problems
- Energy generated by the load test is recuperated by the starter power supply
- Can scan a full performance curve in less than 15 seconds, which increases the accuracy by decreasing test result variation caused by temperature change
- Supplied with color flat touch screen LCD monitor
- Available in many working voltages (220 to 480V at 50/60 Hz)
- Programmable test cycle time as fast as 15 seconds
- Simulate engine firing with up to 10,000 RPM on the starter
- Endurance test and calibration modes
- Test data logging with graphical display of test cycle for analysis



Technical Data Measured Parameters:

Starter current	0 - 1500 Amps, 0.15%	Contact voltage drop	0 - 2.5 Volts, 0.2%
Starter voltage	0 - 40 Volts, 0.15%	Starter efficiency	0 - 100%
Starter speed	0 - 10,000 RPM, 1%	Starter output power	3.0 - 4.0 KW, 0.5%
Starter torque	0 - 50 Nm	Starter input power	0 - 20 kW, 0.5%
Solenoid current	0 - 150 Amps, 0.2%		

D&V Electronics Ltd. 130 Zenway Boulevard • Woodbridge • Ontario • Canada • L4H 2Y7

Tel: (905) 264-7646 • Fax: (905) 264-0502 • Tech Support 1-888-979-1919

www.dvelectronics.com