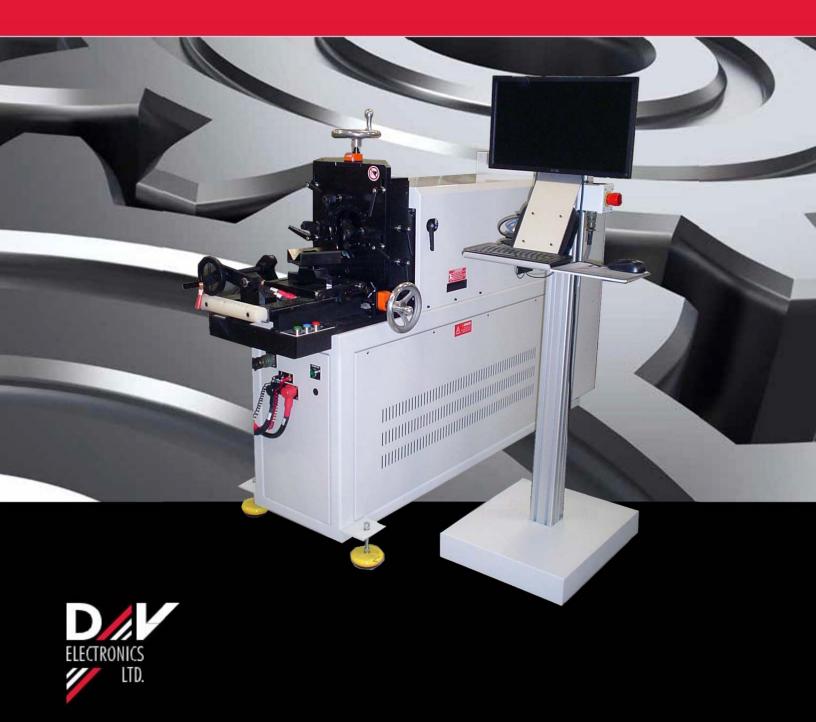
TESTING THE FUTURE®

ST-24B Computerized Starter Tester



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Computerized Starter Tester

ST-24B

The ST-24B is the next generation of D&V Electronics Ltd.'s very popular ST-24, built for the new era of automotive testing. The tester is built as a high speed, accurate, robust starter motor tester for customizable high-volume testing. This touch screen PC based machine is designed to achieve a fast test cycle time with minimal tooling change over for End-of-Line production testing.

Features

- Measures more than 40 different starter parameters including performance curve, free run current and speed, solenoid current, contact voltage drop, "R" terminal function, coast down time, magnetic seal, pull-in & hold-in voltage/current, solenoid pull-in and release time for comprehensive production testing.
 Load test conditions can be set by speed, torque, or current at fixed voltage or predefined battery for testing versatility.
 State of the art technology with advanced diagnostic, high accuracy performance and free run (minimum load) speed tests.
- Completely tests the starter including solenoid, drive, pinion engagement and disengagement timing that can reveal faulty components or assembly errors.
- Solenoid "contact aging" function to seat the solenoid contacts for more repeatable results.
- Performance test by step or sweep method with inertia compensation for accurate test results.
- Complete performance test in less than 12 seconds reducing temperature related result variations and increased accuracy and consistency of results.
- Built-in digital oscilloscope and precise waveform analysis to diagnose armature, commutator and brush problems.
- Scripting of test procedure provides complete control of test process.
- User configurable Pass and Fail labels and reports with performance curve plotting torque, power, speed and voltage.
- On screen, step-by-step user configurable installation and setup instructions for error-free operation and minimal training.
- Effective material management. Programmable reject bin input, reject acknowledgement, marking device output, pass/fail labels and report generation.
 Tooling recognition by bar-coded components and handheld scanner eliminates setup errors (Barcode scanner purchased separately).

- Computer controlled programmable 3000 Amps starter power simulating 200 - 4000 CCA battery (0 -30 milliohms).
- Computer controlled 300 Amp programmable solenoid power supply.
- Includes standard double finger start

Technical Data Measured Parameters

Starter Current	0-3000 Amps, 0.15%
Starter Voltage	0-40 Volts, 0.15%
Starter Speed	0-20,000 RPM, 1%
Starter Torque	0-120+nm
Solenoid Current	0-300 Amps, 0.2%
Contact Voltage Drop	0-2.5 Volts, 0.2%
Starter Efficiency	0-100%
Starter Output Power	0-10kW, 0.5%
Starter input Power	0-50kW, 0.5%



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