

# SST-160G2

## SOLENOID TESTER

PRODUCTION AND LABORATORY TESTING

- New generation solenoid tester with improved speed, accuracy and measuring capabilities
- Patent pending measuring methods allowing cycle time under 10 seconds
- Two-times increased productivity compared to previous generation tester
- Ready for Standard, Single Coil, Tandem, Electronic and CoM Solenoids



The SST-160G2 is a fully automatic End-of-Line production tester for all types of solenoids. Flexible connectivity allow the SST-160G2 to be also used in a development or laboratory environment. Designed to measure and check all critical solenoid parameters in order to detect weak or imbalanced coils, defective springs, assembly errors, and mechanical restrictions. The SST-160G2 provides excellent diagnostic capabilities, superb measurement accuracy, testing routine configurability and comprehensive reporting including force / position curves. The tester is available in "Standard" and "Heavy Duty" versions.

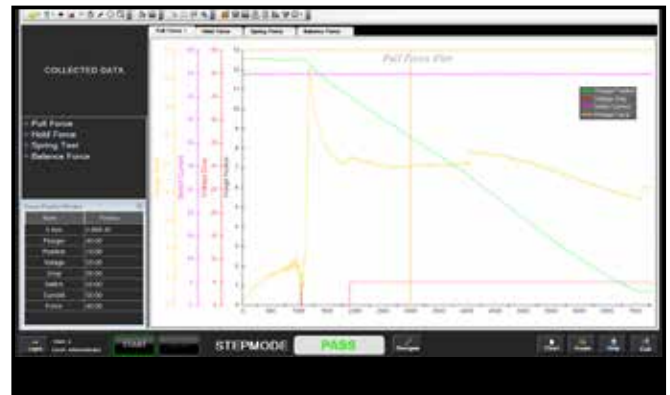
## Features

- New generation solenoid tester with improved speed, accuracy and measuring capabilities
- Capable of testing Conventional (standard solenoids with pull and hold coils), Single Coil with Diode Test and Tandem Solenoid SW1 / SW2 used in CoM applications.
- Able to test External MAG Switch Relays (requires additional adapter kit)
- Able to test IMS Solenoids (Internal Magnetic Switch) with Heavy Duty version.
- Utilizes new measuring methods allowing fast test times as low as 9 seconds, with a typical cycle time of 14 seconds
- Twice the product throughput in comparison to the previous generation SST-160 tester
- User configurable Pass/Fail reports and labels, including force/position plots and spring preload measurements
- Includes a Status Viewer to provide quick troubleshooting assistance to any problems arising with the tester
- Built in Open Kelvin Self-Test (verifies voltage sensing connections)
- External temperature sensor for programmable temperature compensation
- Parameters are measured with user-customizable test conditions
- Precise control and measurement of plunger position via servo driven linear slide

- Pneumatically operated solenoid clamping fixture
- Secure connection to the solenoid via universal manual connections or with quick change automatic connection tooling fixture

## Options

- Software platform that allows test results to be remotely retrieved/stored in cloud network storage
- Safety light curtain system
- Infrared solenoid temperature measurement system
- External MAG Switch Relay Test Fixture.



Pull Force Plot

## TECHNICAL DATA

Parameters	Standard Duty	Heavy Duty
Solenoid Coil Current	0 – 120A (240A Option)	0 – 480A
Solenoid Voltage	0 – 24V (48V Option)	0 – 48V
BOR Distance	0 – 10 mm	0 – 10 mm
Solenoid Force	0 – 90 kg	0 – 180 kg
Coil Resistance	0 – 10 Ohms	0 – 10 Ohms
Contact Voltage Drop	0 – 2.5V	0 – 2.5V



ISO 9001:2015  
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