



# SANTA BARBARA AUTOMATION

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## FS-1

The Santa Barbara Automation Firing System is a capacitive discharge instrument for precision qualification, engineering and quality control testing. It is ideal for evaluation of initiators over a range of charge capacitance and series resistance. Safety features include a rear panel interlock input and front panel Test/Standby switch.

Front panel controls are designed for simplicity and ease of use.

Charge voltage is adjusted with a 10-turn potentiometer and monitored with the integral 3 ½ digit voltmeter.

Simple test sequence : Safe-Arm-Fire when in Test Mode with interlocks closed.

Rear panel 5-way binding posts allow user selection of charge capacitor and series resistance.

Interlock inputs on the rear panel must be closed to enable testing.



### SPECIFICATIONS

AC power source	115/230VAC 50/60Hz
AC current draw	35VA
Charge voltage	2-25VDC
Charge current	10mA
Firing impedance	<.15 ohms
MOSFET rating	>50A
Firing on time	20mS (adjustable)
Trigger output	5V, active high
Indicators	Interlock, Armed
Size (inches)	3.6Hx7.5Wx8.5D

