

F6150e



POWER SYSTEM SIMULATOR

The Ultimate Tool for Protection Scheme Testing

The F6150e is your versatile, all-in-one solution for testing protection relays and schemes. Designed to meet your needs, the F6150e is capable of performing the most simple through the most complex tests and is available in three different models depending on your specific testing requirements. Whether you need to test an individual component or test an entire scheme, the F6150e is the proven solution to assess protection system performance for analog testing of 1A and 5A protection devices. The F6150e has optional enhanced power output and WiFi features that allow further capability to give expanded performance and communication features.

TOGETHER WE POWER THE WORLD®



Features

- Standard relay calibration and verification testing of high burden and microprocessor relays
- Protection scheme testing using state simulation and transient testing: powerful models made available in Protection Suite Software
- Metering at 0.2 class CTs and transducers
- End-to-end testing of communication based schemes with GPS time syncing
- Maximum of 12 Sources (6 Voltage, 6 Current) configurable for bench testing and proof of concept testing for complicated relaying schemes
- Increased amplifier power output and ranges (enhanced ratings), optional
- Wi-Fi capable, optional



Benefits

Exceptional test flexibility

The F6150e is available in three models all capable of testing high burden devices and schemes, but with different options for power levels and complexity depending on your testing and budgetary requirements.

Field-rugged design

Rugged construction and proven state-of-the-art design provide laboratory accuracy with uncompromised field performance.

Convenient panel display

Front panel display indicates active voltage/current amplitudes and phase values during testing.

Accurate meter testing

High-precision measurements for energy meter and transducer testing.

Easy to use

PC interface (Ethernet or USB communications) and software for steady state, dynamic state, and transient testing. All sources can be controlled from a PC for easy configuration for each test.



F6150e Customized Models

Model	Description	Specification Overview
F6150e	<p>Use the premier model for: Test traditional electromechanical, electronic and microprocessor relays and devices Maximum power for testing high burden relays Testing complex schemes</p>	<p>Maximum of 12 high level analog sources are available at any time 6 AC/DC Amplifier sources: 3x150 VA Voltages & 3x150/225 VA currents Each 150 VA Voltage/Current source can be split into 2x75 VA sources; total 6 sources With optional F6005 included: Each 175/262.5 VA Current source can be split into 2 x 87.5/131.25 VA sources; total 6 sources Each 175/262.5 VA Current source can be combined into 1x525/787.5 VA source or 1x175/262.5 VA & 1x350/525 VA sources</p> <p>Maximum of 12 low level analog sources are available at any time</p>
F6150e-D	<p>Use the Smart Grid Distribution model for: Testing digital three phase systems Testing single phase & low burden three phase relays</p>	<p>Maximum of 8 high level analog sources are available at any time 4 AC/DC Amplifier sources: 2 x 150VA Voltages, 2 x 175/262.5 VA Currents Each 150 VA Voltage source can be split into 2 x 75 VA sources; total 8 sources With F6005 Option included: Each 175/262.5 VA Current source can be split into 2 x 87.5/131.25 VA sources; total 4 sources Each 175/262.5 VA Current source can be combined into 1 x 350/525 VA source</p> <p>Maximum of 12 low level analog sources are available at any time</p>
F6150e-IRC	<p>Use the IRC model for: Testing of the S&C Electric IntelliRupter® and other devices using low-level sources.</p>	<p>Maximum of 12 low level analog sources are available at any time</p>

