

DOBLE PROTECTION TESTING

# F8200 CHASSIS

Four-module F8000 test set frame

A compact instrument design for easy portability and rack mounting.



An F8200 model Power System Simulator is a four-module F8000-series protection test instrument available in four standard configurations of HVA Current, HVA Voltage, and Low-Density Logic I/O modules.

The embedded Command Module has state-of-the-art digital componentry that works with your existing Protection Suite and RTS test procedures for powerful simulations that include the necessary communication functions for testing modern protection schemes including architectures based on the IEC 61850 standard.

The F8200 comes with a 90 W battery simulator and can be ordered with a wrap-around protective bumper and carrying accessories, or with brackets and hardware for rack-mounting the instrument in 19" racks.

The versatility of F8000-series Power System Simulators like the F8200 let you easily scale your test capabilities to the requirements presented by your protection systems. Simply connect an F8200 to other F8000-series instruments to expand your use case possibilities.



## F8200 Chassis Technical Data

Power Supply	Power Supply Range	100 VAC to 240 VAC (-10/+25 V)
	Power Supply Frequency	50/60 Hz $\pm$ 3 Hz
	Maximum System Power Available	120 VAC / 1800 W 240 VAC / 3200 W
	Maximum Amplifier Power Available	120 VAC / 1600 W 240 VAC / 1600 W
Battery Simulator	Range	6 VDC to 300 VDC
	Power Output	90 W
	Resolution	1 V
	Output Current	1.5 A
	Max Voltage Ripple	0.2 % of range
	Accuracy	< $\pm$ 5 %
Certifications	Environmental	IEC 60068-2-1 (cold storage & operating) IEC 60068-2-2 (dry heat storage & operating) IEC 60068-2-30 (damp heat storage & operating)
	Mechanical	IEC 60068-2-6 (vibration resilience) IEC 60068-2-27 (mechanical shock resilience) IEC 60068-2-64 (rotational drop resilience)
	Safety	IEC/EN 61010-1 & UL 61010-1 IEC/EN 60825-1:2014
	EMC	FCC 47 CFR Part 15, Class A (USA) ICES-001 Issue 3 ISM (Canada) EN55011:2016 AS/NZS CISPR11:2019 EN61326:2013 EN61000-6-2 EN61000-4-2/3/4/5/6/11
	Other	RoHS
Environmental	Operating Temperature	32° to 131° F (0° to 55° C)
	Storage Temperature	-58° to 185° F (-50° to 85° C)
	Humidity Range	Up to 95 % relative humidity, non-condensing
Chassis	Size	W: 17.25" (43.8 cm) H: 5.25" (13.3 cm) D: 13" (33 cm)
	Frame Weight	13 lbs. (5.9 kg)



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