

FR-F800 VFD Simulator

Model Number: FR-F800 VFD SIM

The FR-F800 VFD Simulator utilizes the standard FR-F800-E Series variable frequency drive, 3-phase AC induction motor, power supply, built-in communication and HMI.

PURPOSE

Designed for the classroom environment, this unit easily sits on a desktop. Utilizing built-in keypad, FR-Configurator2 and GT Works3 software, students will learn to configure and program the VFD and HMI. This is a hands-on demo that allows students to perform the various common operations associated with VFDs. Mitsubishi Electric's FR-F800-E simulator is specifically designed to educate students who are interested in learning programming and functionality capabilities associated with variable torque applications common in pump, fan, and HVAC control markets.



Simulator Features	Simulator Benefits
All critical components integrated into a compact assembly.	Delivers a hands-on experience for instructors and students .
FR-F800-E has a new internal PLC based around the Mitsubishi Electric L Series processor. Instructions in the form of "Function Blocks" can now be used.	Easily programmable from desktop, PC, HMI or via controls on face of inverter. Delivers flexibility to simulate common applications found in a multitude of industries.
Safety Stop: FR-F800-E is a SAFETY drive."STO" capability enables SIL3/PLe emergency stops.	Allows programming of safety function (if required).
Built-in 3-phase AC induction motor.	Allows students to physically see the results of their programming efforts.

Primary Components	Website Link: Additional Information
FR-F800-E Series VFD	FR-F800-E Series VFD Overview
GT2708 – 8.4" HMI display with USB 2.0, RS-232, RS-422/485, SDHC	GT27 Series HMI
FR-Configurator2 Programming Software	FR-Configurator2 Drive Interface Software
GT Works3 Software	GT Works3 Software Overview

The following provides critical dimensions and weight information.

Dimensions (WxHxD) inches: 22.5 x 14 x 9 • Weight (lbs): 45

Learn more about Mitsubishi Electric's Diamondworks! Workforce Development Program at: [Diamondworks](#)

View the complete offering of Mitsubishi Electric simulator solutions at: [Training Education Resources](#)

Contact us to learn more about Diamondworks! Workforce Development: Diamondworks@meau.com

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