

FR-A800 VFD Simulator

Model Number: FR-A800 VFD SIM

The FR-A800 VFD Simulator uses the standard FR-A800-E Series variable frequency drive, 3-phase AC induction motor with encoder, power supply, built-in communication, and HMI.

PURPOSE

Designed for the classroom environment, this unit easily sits on a desktop and is portable. Utilizing a 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-A800-E is specifically designed to educate students who are interested in learning programming and functionality capabilities associated with constant torque applications common in conveyor, hoist, crane, elevator and a multitude of other markets.



Simulator Features	Simulator Benefits
All critical components integrated into a compact assembly.	Delivers a hands-on experience for instructors and students.
FR-A800-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-A800E 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-A800-E Series VFD	FR-A800-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

MITSUBISHI ELECTRIC AUTOMATION, INC.

500 Corporate Woods Parkway, Vernon Hills, IL 60061
Ph 847.478.2100 • Fx 847.478.2253

us.MitsubishiElectric.com/fa/en

February, 2022 • ©2022, Mitsubishi Electric Automation, Inc.
Specifications subject to change without notice. • All rights reserved