

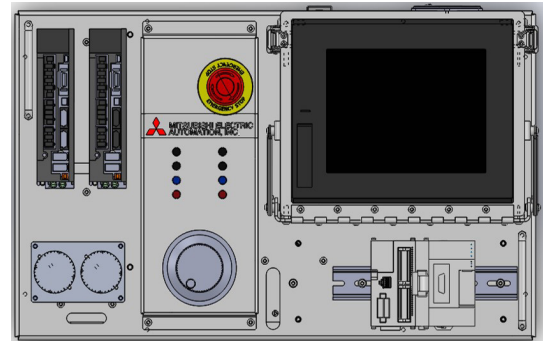
# iQ-F Motion Simulator

Model Number: iQ-F MOTION SIM

The iQ-F Motion Simulator takes advantage of our feature-rich iQ-F Compact PLC, MR-J4 Servo Amplifiers, and GT27 HMI to offer students an off-the-shelf solution to meet their teaching or testing needs.

## PURPOSE

Designed for the classroom environment, this unit easily sits on a desktop and is portable. Utilizing MELSOFT GX Works3 and GT Works3 software, students will learn to configure and program the PLC, servo components, and HMI. Once programmed, the simulator can be cycled to validate desired functionality and performance of the (2) HG Series servos. Mitsubishi Electric's iQ-F MOTION simulator is a cost-effective solution that delivers a wide variety of programming capability and functionality for entry-level to advanced curriculums.



Simulator Features	Simulator Benefits
The iQ-F Series PLC provides a cost-effective solution that boasts ease of use, functionality and high performance in a small footprint.	Easily programmable with drag and drop functionality. Delivers flexibility to simulate common applications found in a multitude of industries.
Ability to integrate VFDs and servo drives, with enough space to expand to meet your needs.	Expandable capability with plug-and-play functionality.
Control mode can be switched accordingly for position, speed or torque control. Built-in positioning function.	Various parameters are easily monitored. Pre-determined position(s) can easily be programmed.
Rotational speeds to 6,000 RPM. Built-in high-resolution absolute position encoder.	Enables user to easily replicate a wide variety of applications.
GX Works3 Software	Supports multiple programming languages for use in function block diagram, ladder logic, structured text and sequential function chart methods.
GT Works3 Software	This revolutionary and intuitive design environment provides a host of attributes and graphical elements needed to quickly and easily develop visualization projects.

Primary Components	Website Link: Additional Information
iQ-F Series CPU	<a href="#">iQ-F Series CPU Overview</a>
FX5-40SSC-S Motion Module	<a href="#">FX5 Motion Module Overview</a>
MR-J4-10B1-RJ Servo Amplifier Cards	<a href="#">MR-J4-RJ Servo Amplifier Overview</a>
HG-KR13 Servo Motors	<a href="#">HG-KNS Series Overview</a>
GT2708 – 8.4" HMI display with USB 2.0, RS-232, RS-422/485, SDHC	<a href="#">GT27 Series HMI Overview</a>
GX Works3 Software	<a href="#">GX Works3 Software Overview</a>
GT Works3 Software	<a href="#">GT Works3 Software Overview</a>

The following provides critical dimensions and weight information.

Dimensions (WxHxD) inches: 22.5 x 14 x 9 • Weight (lbs): 23

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](mailto:Diamondworks@meau.com)

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