Genesis*Mini*
Compact Equipment Monitoring and Control System

Genesis*Mini* is a standardized industrial control panel and SCADA system in a miniaturized form factor ready to be bolted into place for plug-and-play installation by in-house personnel with no schematics needed. From data acquisition and machine control to full line automation, **Genesis***Mini* does what traditional systems do at a fraction of the cost.
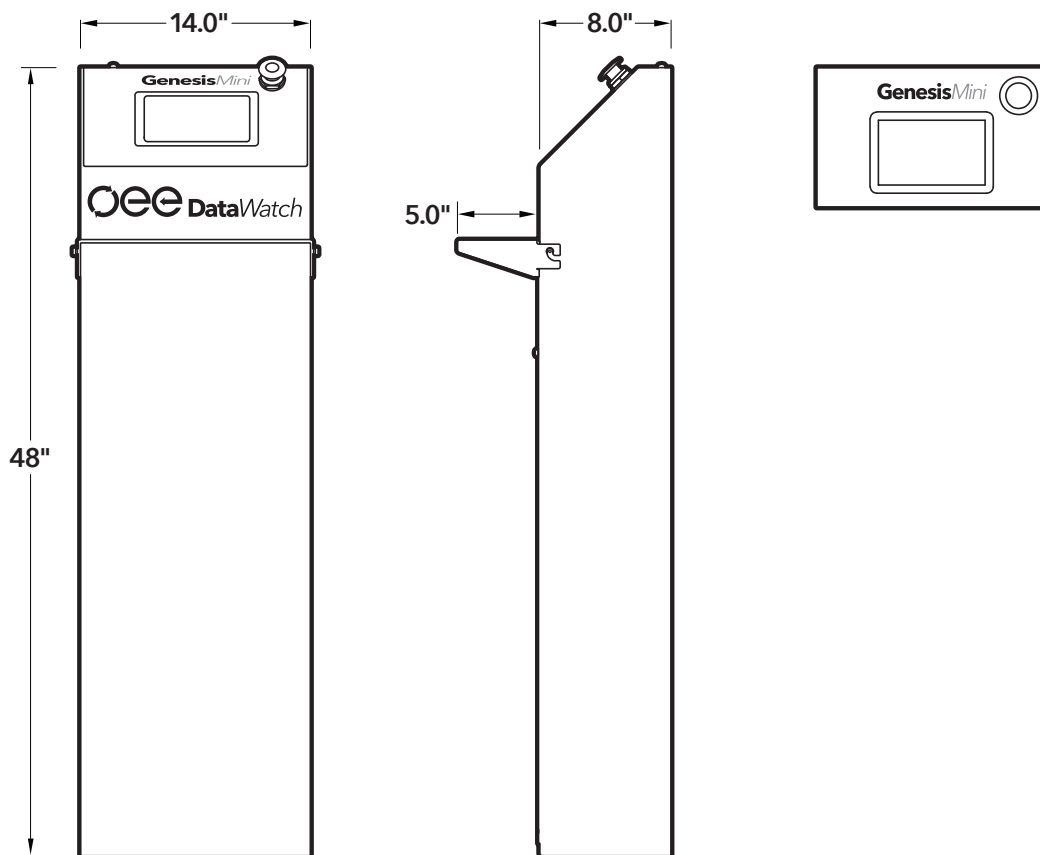
Genesis*Mini* features an innovative patent-pending design that standardizes and simplifies the interface to your equipment. It is OSHA compliant while allowing operators to program, test and diagnose problems without shutting down the line. The result is dramatically lower installation and ongoing maintenance costs, maximum Overall Equipment Effectiveness, and the data you need to fully understand your process, improve quality, and eliminate downtime.

Genesis*Mini* comes complete with all required software loaded, licensed, and the SCADA user screens set up and ready to run your operation manually. Additional automation programming and engineering services are available from OEE DataWatch or our authorized distributors and integrators.

Specifications

Cabinet Dimensions		14" Wide x 8" Deep x 48" High
Power		120VAC
		Power strip with surge protection in the cabinet
Installation		Bolt to floor, wall, or machine
Cabinet		Detachable keyboard shelf
SIL E-Stop		Emergency stop button, OSHA compliant
Work Light		Interior LED light strip
Display		7" touchscreen monitor
PLC	*Hardware*	Siemens S71214C
	Software	Pre-configured manual control program installed with SCADA screens
I/O	*Inputs*	32 digital 24VDC inputs
		4 high-speed counter/encoder inputs
		8 analog 0-10V inputs
	Outputs	32 digital 24VDC outputs, N.O. only, Solid State
		4 analog 0-10V outputs
Wiring		Connections clearly labeled with customer's I/O descriptions
Protection		Solid State programmable fusing, 1 to 10 amps
On-Board PC Hardware		64GB storage, 4MB RAM
		802.11 Wi-Fi
		3x USB ports, SD Card Reader
		HDMI port, LAN port
		Wireless keyboard with integrated trackpad
Software		Windows 10 Pro
		AVEVA Edge (InduSoft Web Studio) – Runtime license
Network Connectivity		LAN connection to plant floor network and other Genesis devices
Programming		SCADA: Manual Control, Maintenance, and Analog Calibration screens
		Status and control of all inputs and outputs
		OEE Dashboard: OEE gauges, data collection log, and data trending
Training & Support		Built-in training and setup videos, pre-installed on PC and available on YouTube
Warranty		1-year, limited liability warranty
		Manufactured in York, PA, USA

14.0" **8.0"**

5.0"

48"

Available Options (suffixes added to model number)

Siemens TIA Portal Software – Basic License (SW)
Software for configuration, ladder logic programming, testing, and diagnosis of the PLC

Stack Light (SL)
Andon status light (red, yellow, green) and associated programming

40" Andon Display (AD)	
Dimensions	35.60" Wide x 8.00" Deep x 22.10" High
Installation	Wall mount (included)
	25' HDMI cable

Cyber Secure Remote Access (CS)
Isolated TCP/IP connection with cyber-secure firewall for remote customer support by OEE DataWatch and/or authorized partners

Note: The OEE DataWatch **Genesis***Mini* is patent pending, subject to all U.S. patent and copyright laws, and all legal recourse. All hardware, software, and documentation provided by OEE DataWatch is proprietary information and is licensed solely to the end user and/or licensed through OEE DataWatch authorized integrators or distributors.