

# Motor-Generator Interface

Educational Training Equipment for the 21st Century

Bulletin 259-110-1D



◀ **MODEL H-MGI-G**  
Motor-Generator Interface Module  
Dimensions: 8¼"H x 19"W x 8¼"D  
Shipping Weight: 35 lbs.

## H-MGI-G Motor-Generator Interface Module

### Software:

Utility - Configure Modules  
Scada - Genie Data Acquisition and Control Software.

### Interconnection Cords:

22 Hampden PP-4

### Manuals:

Operating and Instruction manual

### Options 1:

Sixteen Relay outputs  
32-Hampden PP-4

The **Model H-MGI-G** can be mounted inside the **HMD-100-CM-DA** console. For the internal version, specify **Model HMD-100-CM-DA-CDL** at time of order.

## Purpose

The Hampden **Model H-MGI-G** Motor-Generator Interface Module interfaces with the following digital meter modules:

- **MODEL ACVA-DA-100/300**  
AC Volt/Ammeter with Digital Meters
- **MODEL DCVA-DA-100/300**  
DC Volt/Ammeter with Digital Meters
- **MODEL ACWM-DA-100/300**  
AC Wattmeter with Digital Meters

Hampden modules:

- **MODEL H-REM-LC-D**  
Digital Load Cell
- **MODEL HPT-100A**  
Digital Photo Tachometer
- **MODEL HMD-100-CM-DA**  
Console

## Specifications

### Protection:

1-pole UPG circuit breaker.

### Pilot Light:

Glodot

### Interface Receptacle:

RS-232 9-Pin

### Power Required:

120V AC

### Converter:

RS-485 to RS-232

### Analog Inputs:

Channels – 16  
Sample Rate – 10 Hz  
Resolution – 16 Bit

### Interior Power Supply:

24V DC



**MODEL HMD-100-CM-DA**  
Shipping Weight: 700 lb.

## Hampden Mobile Student Experimentation Stations with Computer Data Logging

The **HMD-100-CM-DA-CDL** Console consists of twelve analog inputs which go to microprocessor controlled high-resolution 16 bit sigma-delta A/D converters to acquire the appropriate sensor signal. The digital data is translated into the appropriate format such as engineering units; when the computer requests this data, it is sent over a single RS-232 interface cable.

All Hampden units are available for operation at any voltage or frequency

**Hampden**  
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