



The Dynamometer Monitoring System (DMS) provides the test cell operator with a user-friendly interface to a fixed set of test cell functions. The DMS includes a single, rack mountable, User Interface (UI) and hardware connection box. The UI includes a configurable touchscreen for virtual button control and visual indicators for items such as warnings, alarms, and function status.

The core function of the DMS package is to monitor discrete digital (on /off) and analog feedback for an AC dynamometer. It operates completely independent of any test automation software; therefore, providing protection for the test system regardless of operation mode.

### Features

- AC Dynamometer Monitoring
  - 3 Winding RTDs
  - 2 Bearing RTDs
  - 1 Inlet Cooling Air RTD
  - 1 Blower Pressure Switch
  - 1 TSTAT Switch
  - 1 Shaft Lock
- Alarm Notification
- Stop Action Configuration (Coast or Brake Stop)
- Limit Setting (Low, Warning and High)
- Stop Action Delay
- Temperature Values Configuration (°F or °C)
- Four Security Access Levels
- Optional Built-in Power Supply for Flange-Style Torque Sensors

## Interface Options

- Inter-Loc V Dynamometer Controller and DMS
- Dyn-Loc V Dynamometer Controller and DMS
- AC Drive and DMS

## Testing Applications

- Engine
- Electric Motor / Alternator / Generator
- Transmission / Transaxle / Differential
- Component / Gear Box / Lubricants

## Specifications

### Control Power:

- 120 V, 15.0 amps

### Environmental Limits:

- Air Temp: 0° to 104°F (-17.8° to 40°C)
- Relative Humidity: 0 to 95%
- No condensation allowed

*Everything you need to succeed*



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DS6408v001