



## DS820 Eddy Current Power Amplifier Unit

The DS820 Power Amplifier Unit supplies DC power to an eddy current dynamometer coil. It provides a current-regulated output that is proportional to a 0 to +10 VDC or 0 to 20 mA control input.

### Features

- Interfaces with all existing Dyne Systems' dynamometer controllers and most competitors' controls
- Stand-alone operation supported
- LCD diagnostic readouts
  - Field Current
  - Input Command
  - Power Amplifier Unit Status and Faults
- 0 to +10 VDC or 0 to 20 mA control input
- Dry contact and PCL-Level I/O
- Integral safety inputs included
- Simple setup and calibration
- Includes control power transformer
- Adjustable current limit Setpoint

## Specifications

### Dimensions (H x W x D)

- Wall Mounted Units: 20.5 x 16.25 x 8.75 in. (521 x 419 x 222 mm)
- Rack Mounted Units: 3.5 x 19 x 15 in. (89 x 483 x 381 mm)

### Control Power

- 120 V, 1.0 Amps
- 50/60 Hz compatible

### Power Amplifier Unit (field) Power (maximum)

- Wall Mounted Units: up to 100 amps at 480 VAC input (430 VDC output)
- Rack Mounted Units: up to 30 amps at 277 VAC input (250 VDC output)

### Environmental Limits

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

### Optional Configurations (depending on test specifications)

- Rack Mount
- Wall Mount

*Everything you need to succeed*



Dyne Systems is a division of Taylor Dynamometer  
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