

## **MODEL CAL50 EXCITER**

- 1" (25 mm) peak-to-peak stroke (1.2" or 30 mm between stops)
- Trunnion base
- 50 pounds force (225 N) output when powered by SL500VCF
- THD: <3% from 5 Hz - 50 Hz linear reduction from 3% to 1% between 50 and 100 Hz <1% from 100 Hz - 10,000 Hz at full force
- except for <5% at axial resonance & subharmonics
- <5% crosstalk from 10 Hz to 5,000 Hz (typical)
- Moving element dynamic weight = 0.6 lbs (0.27 kg)
- Bare table moving element resonance above 8 kHz
- Stray magnetic field <5.0 gauss 1" (25 mm) above table
- Frequency response from 1 Hz to 10 kHz
- Test Instrument Mounting Fixture (TIMF) for mounting large or heavy accelerometers and vibration transducers
- 10 foot (3 m) of drive cable
- Can be operated with ambient air at up to 50% of force capacity
- Can be shop-air cooled or with Cooling Package to achieve 100% of force capacity
- CE Mark



## **SL500VCF AMPLIFIER FOR CAL50**

- Frequency Range, Hz: DC-10,000 Hz, -3dB (Voltage Mode)
- DC Coupled
- Voltage Feedback, External Switch Selectable
- Current Feedback, External Switch Selectable
- Input Power Requirements: 100, 120, 200, 220, 240 V; 48-62 Hz
- NOTE: User to specify voltage in Purchase Order.
- Input Power Required: 1,000 VA (max)
- Output Power: 500 VA RMS nominal; 25 V RMS and 20 A RMS
- One-User Specified Interlock Available
- Output Current Measurement via BNC
- THD: 0.65% @ 1 ohm (Voltage Mode)
- Dimensions, rack mount: 19" W (482 mm); 15 1/4" D (387 mm); 3.5" H (2HE)
- Weight or mass (approx): 24 lbs. (11 kg)
- CE Mark

## **FACTORY-AIR COOLING PACKAGE**

- Uses shop air from 50-100 psi (3-7 bar)
- To be used if more than 50% of full performance force is required
- Alternative to Portable Cooling Package (Blower)
- Includes filter, regulator and quick-disconnect male air line connector
- for direct connection to shop air

## **PORTABLE COOLING PACKAGE**

- Comes with 10 ft (3 m) hose
- To be used if more than 50% of full performance force is required
- Portable vacuum cleaner; alternative to shop air
- 12" L (300 mm) X 11" H (280 mm) X 5" (125 mm) W; weight of 9 lbs (4 kg)
- Operates on 120 volt, 60 Hz power (only)