Magnetizer/Demagnetizer
Model 9500

Description

The Model 9500 is a high voltage (2000 VDC), medium energy (4.8 kJ) combination magnetizer and ***RINGING*** demagnetizer designed for processing large volumes of Barium Ferrite and NEO (NdFeB) materials. Wire wound fixtures are used in conjunction with the Model 9500 for magnetizing and demagnetizing a wide range of magnets and certain types of permanent magnet motors, loud speakers, accelerometers, TWT stacks, large holding magnets and many magnet assemblies. It is microprocessor controlled and is supplied in a roll around Euro-style enclosure. The unit is equipped with many safety features including safety drain circuit, electrical door interlocks, grounding wand, thermal protectors, and emergency stop. The selection of a magnetizing/demagnetizing system begins with an analysis of the production requirements, including magnet material, magnet size, magnetizing orientation, magnet load line or operating point, number of poles, production speed, magnet measuring and other operations that may be necessary. Once these factors are understood and samples and/or drawings are made, our applications engineers can recommend a system to meet your requirements.

Features

- High Voltage - Adjustable From 200 to 2000 VDC
- Medium Capacitance (2400 uF Maximum)
- Roll Around NEMA Rated, (Euro-style)Enclosure
- IEC Style Indicators
  Electronically Selected Waveforms (1/2 Cycle Sinusoidal - Magnetize)
  (Ringing/Simulated AC - Demagnetize)
- Selectable Discharge Modes
  Push to Charge/Push to Discharge
- Push to Charge/Auto Discharge
- Auto Charge/Push to Discharge
- Overvoltage Protection and Safety Drain Circuit
- Microprocessor Controlled
- Front and Rear Access Doors

Demag Fixtures:
Fixtures can be designed for demagnetizing NEO with inside diameters up to 3.5" with a 2" active length. Fixtures can be designed for demagnetizing Ferrite with inside diameters up to 5.5" with a 3" active length.

Available Options:

- Multiple Fixture Operation
- Dual Discharge
- Dual Temperature Monitor
- Dual Current Monitor
- Computer Control
- Data Storage on Internal Hard Drive
- External Keyboard
- External SVGA Monitor
- Network Interface
- Dual Opto Touch Start Buttons
- Remote Control Operator Interface
- SCR Discharge
- Custom Charging Fixtures
- Water Flow Switch

Specifications

Energy & Capacitor Level:
Model 9500 4.8 kJ at 2000 VDC 2400 uF Capacitance

Peak Magnetizing Fields Using Wire-Wound Fixtures:
1" I.D. Minimum 50,000 Oersteds
3.5" I.D. Minimum 20,000 Oersteds
5.5" I.D. Minimum 15,000 Oersteds

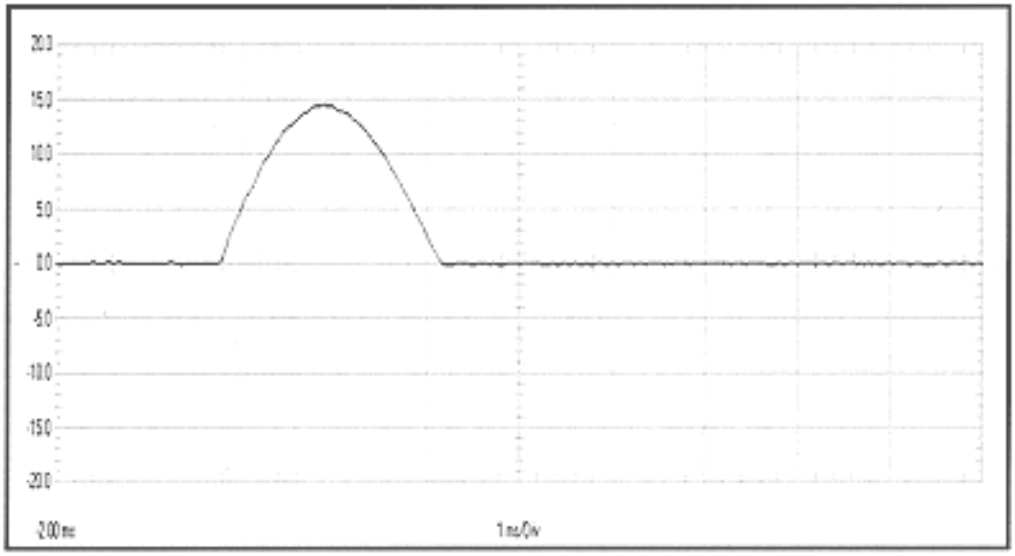
Input Power Requirements: (Please specify preference at time of order)
220/240 VAC 30 Amps 50/60 Hz
440/480 VAC 15 Amps 50/60 Hz

Weight: (Net) Model 9500 (Max.) 450 lb (204 kg)

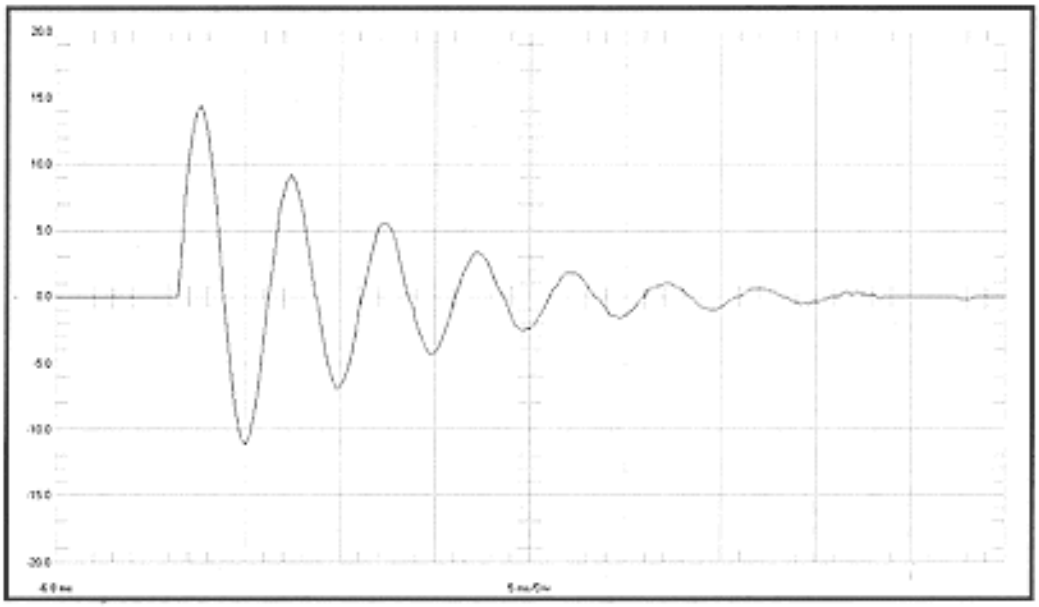
Dimensions:
Height: 42 in (106.7 cm)
Width: 22 in (55.9 cm)
Depth: 31 in (78.7 cm)

Selectable Wave Forms: The rise time to the peak and overall pulse length will depend on the fixture impedance and the capacitance of the magnetizer.

Magnetize: Sinusoidal or Exponential Pulse



Demagnetize: Ringing/Decaying AC



Specifications subject to change without notice.

Contact our factory for additional information.
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