

# M-2030, M-2040, M-2060

## Mobile Power Pack

Magnaflux® understands some parts cannot be moved so the magnetizing station needs to be brought to the part. The M-Series offers a solution by providing an adaptable mobile unit. These units feature AC or Half Wave DC output. Output rating is based on the load specified.

The M-2030 for long cable output is designed for applications in which the power source cannot be close to the inspection piece. This unit is designed to work with long cable lengths necessary for inspecting large parts (i.e. power generator parts).



### STANDARD FEATURES

- Allen Bradley Touchscreen Controls and PLC
- 2 Bus bars for connection
- Push button switch for mag
  - Momentary—magnetizes as long as button is pushed
- Push button switch for demag
  - One touch auto cycle
  - Switches to decaying AC automatically
- Push button switch for power on/off
- Pulse Magnetization option 1 ½ sec on, 3 sec off for 30 sec
- Infinitely variable current control
- 2 fixed heavy-duty casters
- 2 swivel casters with locks
- Lift brackets for extra unit mobility
- 115 Volt convenience Outlet (10 amp)
- Thermal overload for circuitry protection
- Control circuit feedback loop for amperage regulation and repeatability
- Secondary current control
- Flow through cooling for heat dissipation
- Solid state switching (AC to HWDC)
- 7% Duty cycle (maximum output with 1/2 minute ON time)

### BENEFITS

- Ability to easily move the unit to the part for inspection
- Assure testing accuracy and repeatability with direct amperage control and fluctuation mitigation
- Convenient hook on back side of unit to wrap cables after use, saves space as well as keeps cables lasting longer without being dragged along the floor when moved

**PRODUCT PROPERTIES**

Unit	M-2030	M-2040	M-2060
<b>Magnetizing Current Capacity</b>	Single Phase AC HWDC 3,000 A	Single Phase AC HWDC 4,000 A	Single Phase AC HWDC 6,000 A
<b>Available Voltages</b>	380, 415, 460, 575 V	230, 380, 415, 460, 575 V	380, 415, 460, 575 V
<b>Rated With</b>	90' of 4/0 cables	30' of 4/0 cables	Two 30' of 4/0 cables in parallel
<b>Footprint</b>	46" L x 23" W x 39" H		
<b>Part Weight</b>	780 lbs		
<b>Available Frequencies</b>	50 or 60 Hz		
<b>Controls</b>	M-unit control pendant included, 15 ft/ 4.6m (Part Number 631294)		

**ACCESSORIES AND RELATED PRODUCTS**

- 15 feet, 4/0 cable w/ lugs at both ends (Part Number 626350-180)
- Spring-loaded Contact Clamp (Part Number 1865A)
- Standard Prod Set (Part Number 622088)