TSI TEST SYSTEMS INTERNATIONAL, INC.
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MODEL MP-900, MP-1000, MP-2000

MP-900

Output - AC and DC Avg. AMPS

Cable Length	20' 6.1m	30' 9.1m	40' 12.2m	50' 15.2m
Avg. Amps	900	800	600	500

Duty Cycle at maximum output
Normal mode = 20 seconds ON - 2 Minute OFF
Pulse mode = 1 hour ON - 30 minutes OFF
Continuous below 700 Amps
Size H.xW.xD. = 8x11x14 inches (203x280x356cm)

Volts AC	Input Amps		
	Normal	Pulse	Weight
120	35	12	44lbs (20kg)
240	17	6	

MP-900

MP-1000

Output - AC and DC Avg. AMPS

Cable Length	20' 6m	30' 9.1m	40' 12.2m	50' 15.2m	60' 18.2m	80' 24.4m
MP-1000	1000	900	700	600	500	400

Duty Cycle at maximum output
Normal mode = 20 seconds ON - 30 seconds OFF
Pulse mode = 2 hours ON - 30 minutes OFF
Continuous below 700 Amps
Size H.xW.xD. = 8x11x20 inches (203x280x508cm)

Model	Input VAC	Input Amps		Weight
		Normal	Pulse	
MP-1000	120/240	40/20	12/6	60lbs (27kg)

MP-1000

MP-2000S

Output - AC and DC Avg. AMPS

Cable Length	20' 6m	30' 9.1m	40' 12.2m	60' 45m	80' 24.4m	100' 30.4 m
MP-2000S	2000	2000	2000	1600	1400	1200

Duty Cycle at maximum output
Normal mode = 20 seconds ON - 30 seconds OFF
Pulse mode = 2 hours ON - 30 minutes OFF
Continuous below 1500 Amps
Size H.xW.xD. = 10x10x24 inches (254x254x610cm)

Model	Input VAC	Input Amps		Weight
		Normal	Pulse	
MP-2000S	240/480	160/80	48/24	122lbs

MP-2000S

PORTAMAG
MAGNETIC PARTICLE INSPECTION INSTRUMENTS

The Super Pulse Series

The Portamag series are specialized instruments for generating intense magnetizing and demagnetizing current fields for the Magnetic Particle inspection method of flaw detection in ferrous metal. Super Pulse models provide the option of operating in the normal or our new line pulse modulated mode which have the following advantages over normal operation;

1. Provides full effective magnetizing AND demagnetizing output current fields that exceed MIL and Industrial performance requirements.
2. Provides very active movement of wet or dry particles for enhanced flaw definition, especially when using coil method, which adds a physical vibration into the part.
3. Reduces average input line power by 70%. Reducing energy costs and heat buildup.
4. Output current may be left ON over an hour. Pulse mode is set for instruments duty cycle.
5. Super Pulse Only “S” Models provide rated output current levels into extended output cable lengths.

General Features Include:

1. Pulse or normal mode operation.
2. Automatic Demag cycle.
3. All electronic control.
4. Recessed Panel meter and controls.
5. Forced air cooling.
6. Either End output cable connectors.
7. Non-Mar chassis runners.
8. Heavy duty parts and chassis.
9. Powder coat gloss finish.
10. No cable change for AC to DC output.
11. Easy line voltage conversion on all except MP-900 models.
12. Remote control.
13. AC and DC meter calibration adjustments.
14. International line voltage operation available.
15. Digital Meter standard. Analog Meter optional.
16. Patents Pending on Pulse Mode.

Required Accessories

1. 4/0 out cables with Either End connectors.
2. Remote control cable assembly.3. Input line power cable plug.