

MOBILE GENERATORS for MAGNETIC PARTICLE TESTING

MAGMAN 6000 H
MAGMAN 7000 H


Mobile AC and HW current generator **MAGMAN 6000 H** is designed to generating of magnetic fields for magnetic particle testing according ASME Code V. 7, EN 1290, EN ISO 9934, ASTM A 275, ASTM E 709, ASTM E 1444 to testing of iron castings, forgings, welds and wrought parts. Outer switches can be switch in the handle of prod, footswitch or button from stationary bench.

- Manually switching at continuous mode or pulsating ≈ 1 sec. ON / 1 sec. OFF
- Fluent start of current cca 250 ms (protection before electric stroke overloading)
- Constant Current Control
- Magnetization modes: continuous / pulses 1 sec. / AC or DC demagnetization
- Output current AC* 4250 A_{TRMS}/ 6000 A_{PEAK}
- Output current HWDC* 3000 A_{TRMS}/ 6000 A_{PEAK}
- Power supply 3 + PE 400 V - 50 Hz, power consumption 50 kVA, cable plug 125 A or
- Power consumption 64 kVA for HW 3500 A_{TRMS}/ 7000 A_{PEAK} for fixed connecting
- AC demagnetization by short decreasing curve
- HWDC demagnetization, 25 steps / 0,4 sec. decreasing shots with reversing of polarity, time ≈ 10 sec.
- Phase angle control; stepless setting of current by potentiometer
- Auxiliary voltage DC 24 V
- Duty cycle 30 %
- Time ON 10 sec.
- Dimensions l250 x 530 x 630 mm
- Weight 285 kg

*Loop of 5 m cables, cross section 380 mm² (cables 4x 95 mm²) + shunt 4000 A/60 mV

Accessories:

Hand prods, switch in the handle, exchangeable fusible tips, footswitch, cables 70 mm², 95 mm², 120 mm² or 150 mm² cross area, UV lamps, gauges, meters for intensity of magnetic field measurement, UV meters and luxmeters.