

STATIONARY GENERATOR for MAGNETIC PARTICLE TESTING

MAGMAN 5800



Stationary single phase FWDC current generator **MAGMAN 5800** is designed to generating of magnetic fields for magnetic particle testing according ASME Code V. 7, EN 1290, EN ISO 9934 a ASTM E 709, ASTM E 1444 to testing of iron castings, forgings, welds and wrought parts. Switching of current by galvanic separated switch (optocoupler). Outer switches can be switch in the handle of prod, footswitch or button from stationary bench.

- Manually switching or pulsating ≈ 1 sec. ON / 1 sec. OFF
- Fluent start of current cca 150 ms (protection before electric stroke overloading)
- Constant Current Control
- Magnetization modes: continuous / pulses 1 sec. / AC demagnetization
- Power supply 3 + N + PE 400/230V - 50 Hz, power consumption 32 kVA
- Output current AC* 3000 A_{TRMS}/ 4200 A_{PEAK}
- Output current I_r – FWDC* 4200 A_{TRMS}/ 5800 A_{PEAK}
- Phase angle control; stepless setting of current by potentiometer
- Auxiliary voltage DC 24 V
- Duty cycle 20 % at 3000 A FWDC
- Time ON 10 sec.
- Dimensions 350 x 600 x 800 mm
- Weight 120 kg

*Loop of 5 m cable cross section 300 mm² (cables 2x 150 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.