



High current generators **MAGMAN** series are designed to generating of magnetic field for magnetic particle testing according GOST 21105, EN 17638, EN ISO 9934, ASTM E 1444, ASTM E 709, ASTM A 275, ASME Code V., 7 etc. to testing of welds, iron castings, forgings, and wrought parts. Switching of current by galvanic separated switch (optic). Outer switches can be switch in the handle of prod, footswitch or from stationary bench.

- ⊙ Output voltage from 3,2 to 18,0 V; Constant Current Control
- ⊙ Stepless current setting, TRMS digital measurement, for HW possibility of MagAmps value
- ⊙ Manually switching or pulsating ⊙ 1 sec. ON / 1 sec. OFF;
- ⊙ AC demagnetization as standard; „□” marked types with reversing HWDC demagnetization
- ⊙ Fluent start of current approx. 150 ms (protection before electric stroke overloading)

Accessories:

Hand prods, switch in the handle, exchangeable fusible tips, footswitch, cables from 70 mm<sup>2</sup> up to 150 mm<sup>2</sup> cross section, UV lamps, gauges, Gauss/Tesla, UV and lux meters.

Type	AC *I <sub>rms</sub> /I <sub>peak</sub> ⊙A ⊙	HWDC *I <sub>rms</sub> /I <sub>peak</sub> ⊙A ⊙	**FWDC *I <sub>rms</sub> /I <sub>peak</sub> ⊙A ⊙	Feeding ⊙V ⊙	Consumption ⊙VA ⊙	Weight ⊙kg ⊙	Cables Cross sec. ⊙mm <sup>2</sup> ⊙	Length of cables ⊙m ⊙	Transport ***
MGM 15 A	1,1 / 1,5	---	---	230	3,6	24	95	2x 2,5	Portable
MGM 20 A	1,5 / 2,1	---	---	3x 400	6,4	36	150	2x 2,5	Portable
MGM 30 A	2,0 / 2,8	---	---	3x 400	12,8	64	2x 95	2x 2,5	Mobile
MGM 40 A	3,0 / 4,2	---	---	3x 400	25	105	2x 120	2x 3,0	Mobile
MGM 60 A	4,3 / 6,0	---	---	3x 400	50	160	4x 95	2x 4,0	Mobile
MGM 80 A	5,7 / 8,0	---	---	3x 400	90	490	4x 120	2x 4,0	Mobile
MGM 16 H	1,2 / 1,7	0,80/1,6	---	3x 400	5,2	44	95	2x 2,5	Portable
MGM 20 H	1,5 / 2,1	1,0 / 2,0	---	3x 400	8,0	80	95	2x 2,5	Mobile
MGM 30 H	2,1 / 3,0	1,3 / 2,6	---	3x 400	12,8	85	2x 95	2x 2,5	Mobile
MGM 40 H □	3,0 / 4,2	2,0 / 4,0	---	3x 400	25	165	2x 120	2x 3,0	Mobile
MGM 60 H □	4,3 / 6,0	3,0 / 6,0	---	3x 400	50	285	4x 95	2x 4,0	Mobile
MGM 80 H □	5,7 / 8,0	4,0 / 8,0	---	3x 400	120	580	4x 120	2x 4,0	Mobile
MGM 40 F	2,7 / 3,8	---	3,2 / 4,5	3x 400	25	130	2x 120	2x 3,0	Mobile
MGM 50 F	3,0 / 4,2	---	3,8 / 5,3	3x 400	32	145	2x 150	2x 3,0	Mobile

- \* Values I<sub>rms</sub> are currents through shunt 4000 A/60 mV at cables loop length 5 m.
- \*\* Single phase FWDC
- \*\*\* Mobile generators can be assembled at stationary distributors
- AC + HWDC demagnetization