DEGAUSS RANGE

Control residual magnetism in steel pipe and plate before welding or compensate at the joint while welding.



Choose Your Setup

Application	Range or option	Page
Automatic demagnetisation before welding	Degauss 600 or Pico 350 DGS	02
Compensate for returning magnetism during welding	Degauss 600 with activgauss	03
Order cables, remote and field measurement	Kits and accessories	04

When To Specify Degaussing

Residual magnetism can pull the arc away from the joint. Measure the field at the prepared joint and choose the method for the component and welding procedure.

67–69 Quayside Road, Southampton SO18 1AE

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MACHINE COMPARISON

Which Degauss System?

Both machines offer automatic pre-weld degaussing. Choose the Degauss 600 for active compensation or the Pico for a combined welding and degaussing power source.



Degauss 600



Pico 350 cel puls pws dgs

Comparison	Degauss 600	Pico 350 DGS
Automatic pre-weld cycle	Approx. 60 seconds	Approx. 45 seconds
Active compensation while welding	activgauss with RT DGS1	—
Welding output	Dedicated demagnetiser	10–350 A welding range
Pre-weld degaussing current	10–600 A	Automatic program
Mains and fuse	3 × 400 V · 3 × 16 A	3 × 400 V · 3 × 16 A
Protection class	IP34S	IP34S
Order reference	091-002065-00502 set	090-002127-00502 machine

Pico MMA duty cycle at 40 °C: 350 A at 35%, 280 A at 60%, 230 A at 100%. The Pico also supports lift-arc TIG and MAG with a compatible Pico drive feeder.

EWM machine specifications

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PROCESS SELECTION

Before & During Welding

Start with the joint, component geometry and measured field. Check the required residual-field limit against the job specification.



Pipe with load cable arranged at the weld zone



Load cable around a plate section

Before Welding · Automatic Degaussing

Use either machine for pre-weld treatment of steel pipe or plate. Measure the field at the joint before and after treatment, following EWM's instructions.

EWM practical guide to degaussing

During Welding · activgauss

Use the Degauss 600 and RT DGS1 when magnetism returns after treatment, particularly on long or thick-walled components. The unit produces an opposing field while a separate power source welds.

EWM activgauss range 10–250 A

Control Remote current adjustment, polarity reversal and start/stop.

EWM application guidance

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ORDERING REFERENCES

Kits, Leads & Measurement

The Degauss 600 set includes the remote and load cables. Order the magnetic field meter separately when required.



Degauss 600 set



FIM1-4 meter and Hall sensor

Item	EWM order code	Includes or use
Degauss 600 set	091-002065-00502	Machine, 2 × 5 m and 1 × 20 m load cables, RT DGS1 and 5 m remote cable
Pico 350 cel puls pws dgs	090-002127-00502	Welding power source with pre-weld degaussing function
Set LC 35mm²	092-002921-00000	Pico degaussing cable set. 2 × 5 m and 1 × 20 m.
RT DGS1	090-008806-00000	Replacement activgauss remote
RA5 19POL 5 m	092-001470-00005	Replacement remote connection cable
FIM1-4 set	092-002937-00000	DC and AC magnetic fields. 20, 200 and 2,000 mT ranges. 0.01 mT resolution.
WK50mm² 4 m / K	092-000003-00000	Pico work return lead
EH 50mm² 4 m	092-000004-00000	Pico electrode holder and lead

EWM ordering and accessory reference

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