

Datasheet

Table-top Demagnetiser



ECLIPSE
MAGNETICS



WORKHOLDING

At A Glance

- ✓ Removes residual magnetisation
- ✓ Simple on/off switch
- ✓ CE Certified, UKCA Certified
- ✓ 240V version for UK
- ✓ 220V or 110V versions for EU

The Table-top Demagnetiser is great for demagnetising parts that have become partially magnetised during workholding. Residual magnetisation is a partial magnetisation where the parts appear to be slightly magnetic but you do not want them to be.

The Table-top Demagnetiser is used to demagnetise the unwanted residual magnetisation that a part may pick up from being worked.

Such ferrous parts to demagnetise may include mild steel items and stainless steel items. When a stainless steel part is worked (e.g. bent, drilled, welded, etc), the composition in that section changes slightly and the part starts to develop slight magnetic properties (paramagnetism). So sometimes a part that is not normally magnetic can develop a slight degree of magnetisation and act a bit like a weak permanent magnet.

The Table-top Demagnetiser is used to eliminate the magnetism within the small component, returning it back to a non-magnetised condition. Turn the demagnetiser on then slowly move all the part over the gap between the poles and the magnetism will start to be removed - you may need to move the part around over the central gap to fully 'treat' the part. Larger parts may require moving over several times to treat the whole area. Thicker parts may need turning over to treat into both sides. And delicate parts may require a protective ~3mm non-magnetic spacer between the part and the demagnetiser surface and the part slowly rotated over the central gap between the poles. Then turn the demagnetiser off once finished. Please note - these units are not designed to (and will not) demagnetise permanent magnets.

The Table-top Demagnetiser can only be used for a maximum of 2 minutes in any 4 minute period (to allow it to work properly and remain cool enough during operation). The Table-top Demagnetiser is CE Certified and UKCA Certified. It exists as a 240V version for the UK and 220V plus 110V versions for the Europe (EU/EUR).



Workholding Range

Benefits

- CE Certified, UKCA Certified
- Lightweight
- Removes residual magnetisation from components after workholding
- 240V (UK), 220V and 110V (EU)

Materials

- | | |
|-------------------|---|
| Magnetic Material | N/A (electromagnetic design) |
| Other Parts | Various, including Aluminium, Mild Steel, Plastic |

Performance

- | | |
|----------------------|---|
| Magnetic Performance | Demagnetiser - removes residual magnetisation |
| Magnet Type | Electromagnet (40-60Hz) |
| Temperature Range | Ambient conditions |

Maintenance

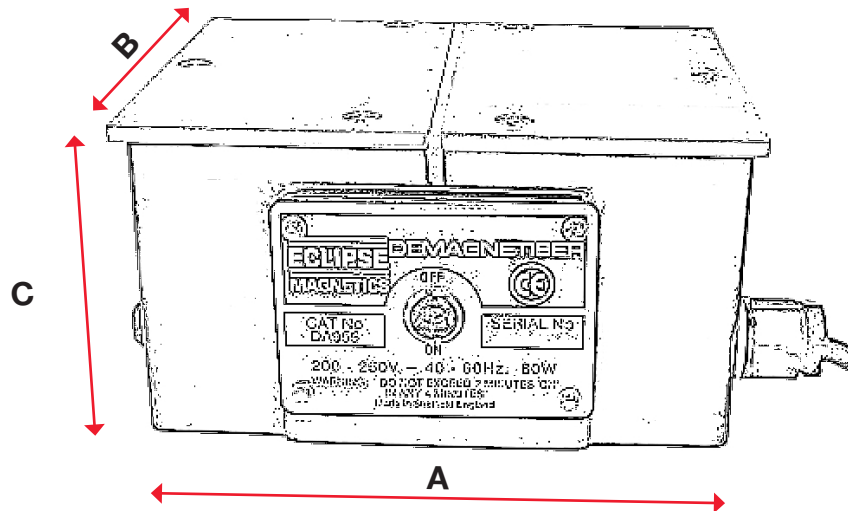
- There is no specific requirement to regularly inspect this item (annual PAT test is advised). Do not use for more than 2 minutes in any 4 minute period
- Do not use if any part of the device is broken/damaged. Switch off and disconnect power supply before inspecting and before any cleaning

Suitability

- | | |
|-------------------|--|
| Suitable Products | Ferrous materials (e.g. mild steel, stainless steel) |
| Suitable Location | Example - Production line, Workshop, Laboratory, Quality Inspection, etc |

Alternatives

- Toolbox / Workshop magnetiser/demagnetiser - for magnetising and/or demagnetising small items such as screws, screwdrivers, drill bits, etc product numbers are:- MDT050, MDW100



Product Number	Voltage* (V)	Dimensions (mm)			Weight (kg)	Supplied Plug Type	Units per Pack
		Length A (mm)	Width B (mm)	Height C (mm)			
DA955/UK	240	150	87	117	3.83	Type G (UK 3 pin)	1
DA955/EUR	220	150	87	117	3.83	Type F (EU 2 pin)	1
DB956/EUR	110	150	87	117	3.83	Type F (EU 2 pin)	1

* Do not connect product into a voltage other than the stated voltage for that product.
Maximum usage is 2 minutes in any 4 minute period.
Devices are all CE Certified and UKCA Certified.

For further assistance, please contact sales@eclipsemagnetics.com

Although we have made every attempt to provide accurate information, we do reserve the right to change any of the information in this document without notice.

We cannot accept any responsibility or liability for any errors or problems caused by using any of the information provided.

Conversions Guide:-

1kg \approx 2.204lb \approx 9.806N

1lb \approx 0.453kg \approx 4.448N

1N \approx 0.101kg \approx 0.224lb

10mm \approx 0.393in (\approx $\frac{25}{64}$ in)

1in \approx 25.4mm

(the above conversion values are rounded down)



FM 31278

EMS 616377