

MAGNETIC PARTICLE
INSPECTION EQUIPMENT

Y7 ELECTROMAGNETIC YOKE



Product Description

The Y7 Yoke offers versatility and powerful performance in a lightweight Yoke, providing either AC or DC magnetic fields in ferro-magnetic materials.

The Y7 Yoke's rugged construction and high performance make it ideal for hand-held magnetic particle inspection when performance and reliability of test equipment is critical.

The Y7 Yoke provides either a constant AC field to reveal surface defects or a pulsed DC field for revealing both surface and near surface defects.



Product Features

- AC and DC fields
- Demagnetising capability
- Lightweight
- Articulated legs
- Pull force 27 Kgs in DC mode & 5 Kgs in AC Mode

Specification and Operating Data

Power source	220V, 50 Hz AC supply
Current draw	Ranges 1.6 ~ 2.2 Amps
Mechanical capacity	Maximum-minimum distance across poles 50- 140 mm
Magnetic field	AC – constant level DC – pulsed
Flux density	Approx. 10500 lines of force/cm ² at 100mm pole spacing
Units carry the CE mark and conform to the appropriate European Union directives	√
Part number	F05001

Optional Accessories



Magnetic Indicator Strips – used to provide a guide to the strength of the magnetic field at the precise point of their location. Comply with EN-ISO 9934-1:2001, RPS700.

Part number D01007 Type I for general use
Part number D01008 Type II for aerospace work



Polyspray

Part number D01009
An inexpensive spray unit for the application of magnetic ink.



Powder Dispenser

Part number D03019
A powder 'puffer' for the application of dry magnetic powder.

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