

Y-7A AC/DC ELECTROMAGNETIC YOKE

MAGNETIC PARTICLE INSPECTION EQUIPMENT



Product Features

- AC /DC Fields.
- Light weight, Heavy Duty and Durable.
- Increase inspector productivity and reduce physical fatigue.
- No more electrical shocks.
- Easily Replaceable DC Power Supply.
- Overheating shut off sensor.
- Lifting weight capacity 18 kgs in DC mode & 5 Kgs in AC mode.

Product Description

The Y-7A Yoke is an AC/DC electromagnetic yoke that creates strong magnetic fields for detecting surface and sub-surface crack indications during magnetic particle testing.

The Y-7A Yoke enhances inspector productivity with its lightweight, ergonomic design. It represents the next generation of hand-held yokes, offering greater durability to withstand harsh environments better than its predecessors. The new design incorporates suggested improvements, such as light weight build and an activation switch.

Applications

Defect location: Surface and subsurface Ideal for:

- Field testing
- Spot inspections
- In-service inspections
- Demanding environments
- Weld inspection

Defect examples:

- Inclusions
- Seams
- Shrink cracks
- Tears
- Laps
- Welding slag
- Grinding cracks
- Quenching cracks
- Fatigue cracks

Specifications Compliance:

- ASTM-E3024-22a,
- ASTM E 709-21,
- ASTM E1444-22a,

Y-7A, AC/DC Electromagnetic yoke Kit consists of:

- Y-7A Yoke,
- AC connector.
- DC adaptor,

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 F05095 Type I for general use



Polyspray

Part number D01009

An inexpensive spray unit for the application of magnetic ink.



PUFFER BULB

Part number F050804

A powder 'puffer' for the application of dry magnetic powder.

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