

L10 ELECTROMAGNETIC COIL

MAGNETIC PARTICLE INSPECTION EQUIPMENT



Product Description

The L10 electromagnetic coil provides excellent portable facilities where only transverse defects need to be detected in shafts, spindles and similar components.

The L10 coil will accept parts up to 250 mm (10") diameter. It is supplied covered with a wear resistant resin coating, a footswitch and 10 metres of flexible supply cable.

The part is inspected by placing it into the L10 coil and applying detecting medium to the test area whilst energising the coil using the footswitch.

Product Features

- **Ideal for transverse defect location**
- **Demagnetisation capability**
- **AC/DC operation**
- **Hands free control via a footswitch**
- **Portable**

Specification

Power source		110 V/50Hz AC
Current draw		13 Amps RMS
Flux density (B) (at centre of empty coil)		11 mT Peak
Ampere turns (H)		Ca 3000
Units carry the CE mark and conform to the appropriate European Union directives		√
Part number	008C020 (L10 Coil) 001T072 (Stepdown transformer 240 V to 110 V to allow operation from a 220/240 V, 50 Hz supply)	

Optional Accessories



Berthold Penetrameter

Part number 008M006

Checks magnetisation, penetration depth, quality of fluorescent suspension and magnetic field direction.



Calibrated Field Indicator

Part number 008M002

Scaled to +/- 20 gauss from zero for determining the level of residual magnetism to 5% of full-scale reading.

Part number 505056

As above, except scaled to +/- 10 gauss.

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