Y6 Yoke

AC Electromagnetic Yoke

The Y6 is a durable, lightweight AC magnetic yoke designed for reliable, one-person detection of surface and sub-surface indications.

Featuring sealed chemical-resistant construction, articulating legs to contour to any part shape and robust strain-relieved power cord for field use, the Y6 is ideal for inspection of welds and other remote testing.



FEATURES

- Sealed, durable construction
- Chemical and abrasion resistant
- Exceeds ASTM lifting specifications
- Individual serial number on each yoke
- Articulated, double-jointed legs
- Demagnetising capability

SPECIFICATION COMPLIANCE

- ASME Boiler and Pressure Vessel Code Section V, Article 7
- ASTM E709
- ASTM E1444
- ASTM E3024
- EN-ISO 9934-3
- MIL-STD-271

All our Y6 yokes conform to the appropriate UK and European Union directives.

APPLICATIONS

Defect location: Surface and sub-surface

Ideal for:

- Field testing
- Difficult to reach areas
- Spot inspections
- In-service inspections
- Weld inspection

Defect examples:

- Seams
- Tears
- Shrink cracks
- Grinding cracks
- Quenching cracks
- Fatigue cracks

PRODUCT PROPERTIES

Waveform	AC
Leg Span / Pole Spacing	5. 1 -27.9 cm
Leg / Pole Contact Size	25.4 x 25.4 mm
Cord Length	3.7 m
Electrical Plug	EU Type F plug with UK type G adapter
Duty Cycle	25%, maximum on time 90 sec
Lift Strength	4.5 Kg (100-150 mm spacing)
Magnetic Field	2.5 kA/m at 6 in/ 152 mm spacing
Dimensions	190 x 51 x 254 mm
Weight	3.6 Kg
Ingress Protection (IEC 60529)	IP 54
Grounding (IEC 60529)	Class 1 with partial Class 2 insulation
Electrical	230 VAC, 50/60 Hz, 2.7 A max
Environmental	0-49°C, up to 100% RH non-condensing, up to 5,000 m altitude
Regulatory	Designed for Mains +/- 10%, Overvoltage Category II, Wet locations, Pollution Degree 2 environment

USE RECOMMENDATIONS

NDT Method: Magnetic Particle Testing

Recommended Accessories:

Magnetic Indicator Strips (008M004)

Certified Test Lift Weight (077030)

PART NUMBER

630405

Service Parts

Switch	016S004, 4944
Switch Kit for Y6 Yoke (Switch, Diaphragm, Cover & Screws)	005K026
Light Source	002L114
Light Source and Leg Assembly	002L115
Cord Grip	630434
Rear Cover	630408
Cover Gasket	630407
Switch Cover	43526
Switch Diaphragm	43527
Leg Assembly	55176
Foot Assembly	55175
EU Cable and Plug Assembly	630399
Strain Relief for Cable	514186