

# Y7

## AC/DC Electromagnetic Yoke

The Y7 is a durable, high-strength AC/DC magnetic yoke designed to detect surface and sub-surface indications in the most rugged applications.

Featuring sealed chemical-resistant construction, articulating legs to contour to any part shape and robust strain-relieved power cord for field use, the Y7 is ideal for inspection of welds and other remote testing.

Solid-state controls allow the operator to use AC magnetic fields for surface indications or DC magnetic fields for sub-surface indications, to meet all inspection needs.



### FEATURES

- Sealed, durable construction
- Chemical and abrasion resistant
- AC and DC operation options for surface and sub-surface inspection
- Exceeds ASTM lifting specifications
- Individual serial number on each yoke
- Articulated, double-jointed legs
- Solid state controls for maximum safety and reliability
- Demagnetising capability

### SPECIFICATION COMPLIANCE

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

All our Y7 yokes carry the CE mark and conform to the appropriate European Union directives.

### APPLICATIONS

**Defect location:** Surface and sub surface

**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

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**PRODUCT PROPERTIES**

Weight	4.1 kg
Leg Span	0 - 300 mm
Cord Length	3.7 m
Duty Cycle	33%, max on time is 80 seconds
AC voltage	230 V
DCvoltage	Pulsed
Frequency	50/60 Hz
Current draw (AC)	5 A or 2 A

**USER RECOMMENDATIONS**

NDT Method	Magnetic Particle Testing
Accessories	Magnetic Indicator Strips (008M004, 008M005) Certified Test Weight (624115) Polysray (004G004) Powder Dispenser (008D003)

**PART NUMBER**

001Y018