Y-7 Yoke

AC/DC Electromagnetic Yoke



The Y-7 yoke 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 twelve-foot cord for field use, the Y-7 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 for each yoke

SPECIFICATION COMPLIANCE

- ASME BPVC
- ASTM E709
- ASTM E1444
- ASTM E3024

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

PRODUCT PROPERTIES

Weight	115V: 7.4 lb / 3.4 kg 230V: 7.2 lb / 3.3 kg
Leg Span	0–12 in / 0–30 cm
Cord Length	12 ft / 3.7 m
Duty Cycle	33%, max on time is 80 seconds
Electrical Requirements	115V - 60 Hz: 6.0 A 230V - 50/60 Hz: 2.7 A

USE RECOMMENDATIONS

NDT Method	Magnetic Particle Testing
Recommended Accessories	Yoke Test Weight PN 077030 Yoke Light PN 623745

PART NUMBERS

Series	Part Number	What's Different?			
		Voltage	Plug	Contents	Ships to
Y-7 Yoke	625643	115V	Type B	Y-7 yoke & carrying case	All non-EU countries*
	625644	230V	Not included	Y-7 yoke & carrying case	
Y-7 Yoke Test Kit	43509	115V	Type B	Y-7 yoke, #1 Gray powder, #8A Red powder, paint marker, hand cleaner & carrying case	North America, South America and Southeast Asia only.
	620741	230V	Not included	Y-7 yoke, #1 Gray powder, #8A Red powder, paint marker, hand cleaner & carrying case	

* The Y-7 yoke does not carry a CE mark and is not labelled to EU standards; it cannot be shipped to EU countries.