

Y-8

DC Battery-Powered Electromagnetic Yoke for Non-Fluorescent Magnetic Particle Inspections

The Y-8 is a battery-powered, DC electromagnetic yoke designed to stand up to the most rugged applications. True portability for magnetic particle inspection in the field and remote locations is achieved through a compact battery pack which provides a full 8-hour shift of inspection power. Featuring sealed chemical-resistant construction and articulating legs to contour to any part shape, the Y-8 MV Kit comes with a Y-8 yoke, sealed battery with pouch, battery charger, #1 Gray magnetic powder, a paint marker and hand cleaner towels in a convenient carrying case.

FEATURES

- Sealed, durable construction
- Chemical and abrasion resistant
- True portability with compact battery pack
- Exceeds ASTM lifting specifications
- Individual serial number for each yoke

SPECIFICATION COMPLIANCE

- ASME BPVC
- ASTM E709
- ASTM E1444
- ASTM E3024
- ISO 9934-3



APPLICATIONS

Defect location: Subsurface (and some surface)

Ideal for:

- Field testing
- In-service inspections
- Demanding environments
- Remote sites

Defect examples:

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

PRODUCT PROPERTIES

Weight	8 lb / 3.6 kg (Yoke only) 5.2 lb / 2.4 kg (Battery)
Leg Span	2.0–11.0 in / 5.1–27.9 cm
Duty Cycle	25%, max on time is 90 seconds
Current Draw	4.0 A maximum draw at 6V
Battery Charger - USA Version - Global Version	Current Draw - 1.25A max at 115V - 0.2A max at 100-240V
Battery Pack Specs	4.8 lb / 2.2 kg 4.25 x 2.8 x 5.55 in / 10.8 x 7.1 x 14 cm 6V, 12 A hour

USE RECOMMENDATIONS

NDT Method	Magnetic Particle Testing
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PART NUMBER

Series	Part Number	What's Different?	
		Model	Contents
Y-8 MV Kit	628994	N. America	Y-8 yoke, battery with pouch, battery charger, #1 Gray magnetic powder, yellow paint marker, hand cleaner & carrying case
	630540	Global	Y-8 yoke, battery with pouch, battery charger, #1 Gray magnetic powder, yellow paint marker, hand cleaner & carrying case
Y-8	630550	Europe (CE certified)	Y-8 yoke, battery with pouch, battery charger, & carrying case

