

Y-8 MV Kit

DC Battery-Powered Electromagnetic Yoke Kit 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, universal-voltage battery charger, global plug adapters, #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

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	7.8 lb / 3.5 kg
Leg Span	0–12 in / 0–30 cm
Duty Cycle	33%, max on time is 20 seconds
Current Draw	4.0 A maximum draw at 6V
Battery Charger Current Draw	0.2 A maximum draw at 115/230V
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, 13 A hour

USE RECOMMENDATIONS

NDT Method	Magnetic Particle Testing
Recommended Accessories	Yoke Test Weight PN 624115

PART NUMBER

611710