Y-2 Yoke

AC Electromagnetic Yoke

The Y-2 is an AC electromagnetic yoke, ergonomically designed to improve productivity and reduce operator arm and wrist fatigue. The yoke generates a strong AC magnetic field for the detection of surface indications during magnetic particle testing.

Lightweight with an ergonomic grip and trigger, the Y-2 is designed for the rugged demands of field inspection. Featuring a field swappable cord and isolated trigger switch; the Y-2 is easily serviceable because a severed cord should not stop a job from getting done.

A super bright LED attachment is available as an optional item to help illuminate the inspection area while simultaneously magnetizing the part. All-in-one Kits are also available, including #8A Red and #1 Gray magnetic powders, a yellow paint marker, and cleaning cloth, for a full inspection kit in one convenient carrying case.

BENEFITS
Increase inspector productivity and reduce physical fatigue

- Less arm strain, wrist fatigue and physical stress help operators get more done due to the lightweight and ergonomic design.
- Easily position the yoke in any direction with lightweight, heavy-duty and powerful electronics components.

FEATURES

- Ergonomic, light-weight design
- IP54 sealed housing resists dust and water
- Field-swappable power cord
- Isolated, replaceable trigger switch
- Steel shields for leg protection
- Exceeds ASTM lifting specifications
- Convenient carrying case supplied with all yoke shipments
- Optional LED yoke light lasts longer and is more intense compared to traditional bulbs

APPLICATIONS

Defect location: Surface
Ideal for:
- Field Testing
- Difficult to reach areas
- Spot, weld and in-service inspections
Defect examples:
- Seams
- Tears
- Shrink cracks
- Quenching cracks
- Fatigue cracks

Keep tools in service with a design that’s built to last

- Cords and triggers can be easily replaced, so work doesn’t stop and tools aren’t scrapped due to accidental damage.
- Prevent dust and dangerous water damage with an IP54 o-ring sealed housing.
PRODUCT PROPERTIES

Electrical Requirements
North American PN 628554
European PN 628555
Chinese PN 628560
110-115V, 60 Hz 4.3 A max or 50 Hz 6.3 A max (Type B plug)
220-230V, 50/60 Hz: 2.6 A max (Type F plug with Type G adapter)
220-230V, 50/60 Hz: 2.6 A max (Type I plug)

Waveform
AC

Tangential Field Strength
> 2kA/m at midpoint between legs / poles

Lifting Force
> 10 lb / 4.5 kg (44 N)

Duty Cycle
50%, max on time is 90 seconds

Ingress Protection (IEC 60259)
IP54

EN/EC
CE / WEEE / RoHS

Weight
4.8 lb / 2.2 kg (Yoke only)
6.2 lb / 2.8 kg (with cord)

Leg / Pole Span
2.5 - 10.5 in / 6.4 - 27 cm

Contact / Pole Size
1.00 x 1.75 in / 25 x 19 mm

Cord Length
12 ft / 3.6 m, detachable

PART NUMBERS

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<th>Series</th>
<th>Part Number</th>
<th>What's Different?</th>
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<td>N. America</td>
<td>115V</td>
<td>Type B</td>
<td>Y-2 yoke &amp; carrying case</td>
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<td>Europe</td>
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<td>Type F (Type G adapter)</td>
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<td>628560</td>
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<td>China</td>
<td>230V</td>
<td>Type I</td>
<td>Y-2 yoke &amp; carrying case</td>
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<td>Type B</td>
<td>Y-2 yoke, #1 Gray powder, #8A Red powder, yellow paint marker, hand cleaner &amp; carrying case</td>
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<tr>
<td>Magnavis Kit*</td>
<td>628557</td>
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<td>S. America &amp; S.E. Asia</td>
<td>230V</td>
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<td>Y-2 yoke, #1 Gray powder, #8A Red powder, yellow paint marker, hand cleaner &amp; carrying case</td>
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*Ships only to North America, South America and Southeast Asia.

SPECIFICATION COMPLIANCE
- ASME BPVC
- ASTM E709
- ASTM E1444
- ASTM E3024
- ISO 9934
- API 6A
- AWS D1.1

USE RECOMMENDATIONS

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<td>Service Parts</td>
<td>North America Cord PN 628954</td>
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