

Y-7

AC/DC ELECTROMAGNETIC YOKE 交直流电磁轭

The Y-7 is a durable, high-strength AC/DC magnetic yoke designed to detect surface and sub-surface indications in the most rugged applications.

Y-7是一款经久耐用, 提升力强劲的交流磁轭, 用于检测表面及次表面缺陷, 可以在环境严苛的条件下使用。

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.

Y-7具有全密封结构, 耐化学腐蚀。铰接式极脚, 适用于工件任何形状的部位。还带有牢固的抗拉伸电缆, 长达3.7米。Y-7是外场检测、焊缝检测和其他现场检测的理想选择。

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.

切换控制开关可以使检测人员使用交流磁场进行表面检测, 或使用直流磁场进行次表面检测, 以满足所有检测需求。

The Y-7 is also available as a test kit (Y-7 MV Kit), complete with a Y-7 yoke, #1 Gray and #8A Red magnetic powders, a paint marker and hand cleaner towels in a convenient carrying case.

Y-7还是测试套装 (Y-7 MV 套装) 中的一部分, 配有Y-7磁轭, 1灰磁粉和 8A红磁粉, 马克笔和清洁布, 方便携带。

FEATURES 特点

- Sealed, durable construction
密封耐用的结构
- Chemical and abrasion resistant
耐腐蚀和磨损
- AC and DC operation options for surface and sub-surface inspection
交直流可选, 能够检测表面和次表面
- Exceeds ASTM lifting specifications
超过ASTM要求的提升力
- Individual serial number for each yoke
每台磁轭都有唯一的序列号

SPECIFICATIONS 符合规范

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

APPLICATIONS 应用

Defect location: surface and subsurface

缺陷位置: 表面和次表面

Ideal for 适用于

- Field testing 外场检测
- Spot inspections 现场检测
- In-service inspections 在役检测
- Demanding environments 苛刻的环境下检测
- Weld inspection 焊缝检测

Defect examples 缺陷类型

- Inclusions 夹杂
- Seams 裂缝
- Shrink cracks 收缩裂纹
- Tears 撕裂
- Laps 折叠
- Welding slag 焊渣
- Grinding cracks 磨削裂纹
- Quenching cracks 淬火裂纹
- Fatigue cracks 疲劳裂纹

PRODUCT PROPERTIES 产品参数

Weight 重量	8.0 lb / 3.6 kg
Leg Span 磁脚间距	2 - 12 in / 5.1 - 30 cm
Cord Length 电源线长度	12 ft / 3.7 m
Duty Cycle 暂载率	25%, max on time is 90 seconds 25%, 最大激磁时间不超过90秒
Electrical Requirements 电气要求	220/230V - 50/60 Hz: 2.7 A

USE RECOMMENDATIONS 使用推荐

NDT Method 无损检测方法	Magnetic Particle Testing 磁粉检测
Recommended Accessories 推荐附件	Yoke Test Weight PN 624115* 提升力试块 PN 624115*

* 磁轭合规与否是依据标准中规定的提升力试块的测试结果。依据标准交流磁轭最小的提升力为10磅(约4.5公斤), 直流磁轭最小的提升力为30磅(约13.6公斤)。

PART NUMBER 件号

625644	Y-7 220/230V
620741	Y-7 MV Kit, 220V/230V