

WE-3

ECONOMICAL AC YOKE



Features:

- Compact
- Light Weight
- Comfortable Grip
- Standard Micro Switch
- Urethane Rubber Grip
- Durable
- Economical

Uses:

- Automotive
- Aerospace
- Weld Inspection
- Pressure Equipment
- Piping
- Fabrication
- Manufacturing

Est. 1965
Western Instruments Inc.

More than just attractive!

The WE-3 is a lightweight AC Yoke, used for Magnetic Particle Inspection, to quickly find surface defects. The WE-3 is Western's economical alternative to our premium quality W-6 and WC-6 Models. This handheld Yoke has borrowed many of the low cost features of competitive AC Yokes, so we do not recommend it for use in Wet Method Inspection. The WE-3 has many superior features, such as its ergonomic grip, Urethane Rubber Housing, and Quick Change Switch.

The ergonomically designed housing combined with its light weight, reduces operator fatigue and strain permitting better and longer inspections. The compact design allows the WE-3 to fit into confined spaces better than full size Yokes. The urethane rubber housing provides superior durability in rugged environments, so the WE-3 is suitable for the high Arctic or the Sahara Desert.

The WE-3 lifts over 10 pounds, exceeding ASTM or ASME specifications for AC Yokes. Magnetic Particle Inspection, with an AC field, is the fastest and easiest way to find surface discontinuities. The AC field provides maximum magnetic particle mobility, which cause the particles to migrate quickly and congregate at defects. Demagnetization is simple with this 'one man inspection'; the operator simply activates the Yoke while pulling it off the workpiece.

Specifications:

| | | | |
|------------|-------------------------------------|--------------|---------------------------|
| Voltage: | 115 or 230 Nominal | Cord Length: | 8'(2.5m), AWG3-16 |
| Models: | WE-3 (115 Volt) WE-3K (230 Volt) | Lift: | 10 pounds (4.6kg) minimum |
| Current: | 4.0 Amps (115V), 2 Amps (230V) | Capacity: | 0 to 11" (280mm) |
| Frequency: | 50-60Hz | Finish: | Black Urethane Rubber |
| | | Weight: | 6.3 pounds (2.9kg) |



Inspection Kits

Western offers inspection Kits for the following methods

Wet/Dry and Wet Fluorescent

WE-3 Dry Method Inspection Kit shown;
WE-3 Yoke, Carrying Case, 4 Colors of Dry Method Powder,
Powder Bulb, and Field Indicator (W-FI).

*Plastic Kit Case shown.

Box 72, Site 2, R.R. #1 St. Albert, Alberta T8N 1M8

Phone: 1-780-459-6720 Fax: 1-780-459-7837

email: info@westerninstruments.com

web: www.westerninstruments.com

Contact your Inspection Equipment Distributor for pricing for the WE-3 Yoke.

October 2006