

# 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

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**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.



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