

# WE-3LT

## Light Weight AC Yoke



### Features:

- Ultra-Light Weight
- Comfortable Urethane Rubber Grip
- Slip in Switch Cover
- Standard Micro Switch
- Rugged Strain Relief
- Durable
- Economical

### Uses:

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



Est. 1965  
**Western Instruments Inc.**

## More than just attractive!

The WE-3LT is Western Instruments latest development triumph in Portable Magnetic Particle Inspection Equipment. This revolutionary Light Weight Yoke is **over 30% Lighter** than any of our other AC Yokes (WC-6 WC-6x2, WE-3HD, & WE-3), with a hand grip that is **40% smaller**. This exceptionally Light Yoke is the result of superior Electrical Engineering and Design, made possible by strict quality control measures. The WE-3LT utilizes many of Western's exclusive features such as our Slip in Switch Cover, Rugged Strain Relief and ergonomically designed Hand Grip. The WE-3LT is what all inspectors have been asking for, a smaller, lighter Yoke illustrating the fact we listen to our customers. The WE-3LT is a practical alternative to our other Premium Quality AC Yokes.

The ergonomically designed housing combined with its Light Weight, reduces operator fatigue and strain, for more effective inspections. The compact design and adjustable Power Cord position, allows the WE-3LT to fit into confined spaces better than any other Yokes. The urethane rubber housing provides superior durability in rugged environments, so the WE-3LT is suitable for the high Arctic or the Sahara desert.

The WE-3LT lifts well over 10 pounds, exceeding ASTM or ASME Specifications for AC Yokes. Performing 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 Magnetic 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 VAC Nominal
Models: WE-3LT (115 Volt)	12 VDC - Intermittent
WE-3LTK (230 Volt)	Frequency: 50-60 Hz
Current: 4.0 Amps (115V), 2 Amps (230V)	Finish: Safety Orange Urethane
Weight: 5.2 Pounds (2.4Kg)	Lift: 10 pounds (4.6Kg) minimum
Cord Length: 8' (2.5m), 3-18 SOW	Capacity: 0 to 11" (280mm)



### Inspection Kits

Western offers inspection Kits for the following Methods

#### Dry•Wet•Wet/Dry•Wet Fluorescent

WE-3LT Dry Method Inspection Kit Shown;  
WE-3LT Yoke, Carrying Case, 4 Colors of Dry  
Method Powder, Powder Bulb, and Field Indicator  
(W-FI-10).

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