

# WC-6 Compact AC Yoke



## Features:

- Compact
- Light Weight
- Comfortable Ergonomic Grip
- Grounded Solid State Switch
- Sealed Switch Cover
- Rugged Strain Relief
- Urethane Rubber Encapsulant
- Optional UL/CSA Approval

## Uses:

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

## More than just attractive!

The WC-6 uses Western Instruments' WC-Series Platform, which is utilized in all the WC-Series models. This Platform design is similar to our standard W-Series Platform, but far more compact, with the Urethane Rubber housing providing superior durability in rugged environments. This construction versatility is possible through our advanced Mechanical, Electrical, and Solid State Electronics designs. These designs permit the WC-Series to use our standard low profile sealed membrane activation switch, continuing our philosophy for operator safety, as the switch has a grounding provision and conducts less than 1/2 watt of power. All W-Series Yokes have more height between the operator's hand and the work piece, which means faster inspections due to a larger view of the target area. All these advancements permit all our AC Yokes to have a 100% duty cycle!

The ergonomically designed grip, combined with WC-Series light weight, reduces operator fatigue and strain which permits longer and more thorough inspections. The compact design allows the WC-6 to fit into tight spaces, better than our full size W-Series models. Combined with our Universal Articulating Pole Pieces, the WC-6 can be fit to almost any configuration of work piece. Like all W-Series products, the Power Cord Strain Relief system is the most durable in the industry, but on the WC-6 the Strain Relief can be directed up or down, permitting even better access to confined spaces, or simply just for operator preference.

Conducting Magnetic Particle Inspection with an AC field is the fastest and easiest way to find surface cracks and other discontinuities. The AC field provides maximum magnetic particle mobility, which causes particles to migrate quickly and congregate at defects. Furthermore, to demagnetize the part, the operator simply keeps the unit activated while pulling the yoke off the work piece.

### Specifications:

Models: WC-6 (115V)

WC-6K (230V)

Current: 3.5 Amps (115V), 1.8 Amps (230V)

Weight: WC-6 - 6.5 Pounds (3Kg)

Voltage: 115 or 230 Volts

Frequency: 50 or 60 Hz

Lift: 10 Pounds (4.6Kg) Minimum

Capacity: 0-11" (280mm)

Cord Length: 8', 3-18 SOW

Finish: Urethane Rubber

### Inspection Kits

Western offers four different Inspection Kits, in the following methods, with all of our products.

#### Dry • Wet Wet/Dry Wet Fluorescent

Dry Method Inspection Kit Shown:

WC-6 Yoke, Carrying Case, 4 colours of powder, powder bulb and field indicator.

\*Custom Soft Sided Carrying Case



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