

# WC-8

## COMPACT AC/DC YOKE



- Compact
- Light Weight
- Comfortable Ergonomic Grip
- Grounded Solid State Switch
- Sealed Switch Cover
- Rugged Strain Relief
- Combination of 3 Batteries
- Optional UL/CSA Approval

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

Western Instruments Inc. Est. 1965  
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## More than just attractive!

The WC-8 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 and 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 12 Volt Pulsed DC 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-8 to fit into tight spaces, better than our full size W-Series models. Combined with our Universal Articulating Pole Pieces, the WC-8 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-8 the Strain Relief can be directed up or down, permitting even better access to confined spaces, or simply just for operator preference.

The WC-8 has a special module that converts 12 Volts DC into a pulsed signal, that allows the unit to lift over 50 pounds to comply with DC specifications, but the pulsed DC field induces particle mobility similar to an AC Yoke. The WC-8 draws less than 1/2 Amp, so a 3.0 Amp/Hour Battery Pack will last you a full day (based on Western Instruments' Battery Duration Tests). Western Instruments offers Battery Packs in 3.0, 7.0, and 12 Amp hour ratings (nominal), and all three can be charged with our High Capacity Smart Charger (1.5 Amps). We also offer our exclusive Dual Output Battery Pack, for use with our WC and W-8 Yokes, so a 12 Volt UV Lamp can be used for totally portable Wet Fluorescent Inspection.

### Specifications:

Weight: 6.5 pounds (3kg)

Voltage: 12 Volts DC

Current: 0.5 Amps

Capacity: 0 to 11" (280mm)

Lift: 50 Pounds minimum (23kg)

Cord: 2' Coil, extends to 6'

Finish: Red Urethane Rubber

Chargers (for Gel Cells): 115 or 230 Volts



### Inspection Kits

Western offers inspection Kits for the following methods

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

115Volt (Optional 230V) Wet Fluorescent Kit shown;  
WE-7, BIB-150 UV Lamp, Carrying Case,  
Flourescent Bath (6 Aerosol Cans),  
Cleaner/Remover (2 Aerosol Cans), W-PG (Pit Gauge),  
10-0-10 Field Indicator (W-FI).

\*Custom Soft Sided Carrying Case shown.

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