

AC/DC Yokes
WE-7 • AC/DC Yoke



Models: WE-7 (115V)
 WE-7K (230V)
 Voltage: 115V/60Hz or 230V/50Hz
 Current: 4.0 Amps (WE-7)
 2.0 Amps (WE-7K)
 Cord Length: 12'(3.7m), 3-18 SOOW
 Lift: AC-10 pounds (4.6kg)
 DC-50 pounds (23kg)
 Capacity: 0 to 11" (0-280mm)
 Finish: Black Urethane Rubber
 Weight: 7.5 pounds (3.5kg)

The WE-7 is Western Instrument's 5th generation of AC/DC Yoke, and finally the industries most rugged and reliable unit. The output field is changed from AC to DC with a simple toggle switch, however DC intensity is infinitely adjustable for operator convenience.

DC Yokes
WC-8 • 12 Volt DC Yoke



Weight: 6.5 pounds (3kg)
 Voltage: 12 Volts DC
 Current: 1 Amp
 Capacity: 0 to 11" (280mm)
 Lift: 50 Pounds minimum (23kg)
 Cord: 2' Coil, extends to 6'
 Finish: Red Urethane Rubber
 Charger (Gel Cells): 100 to 250VAC, 50 to 60 Hz
 Batteries: 3, 7, & 12 Amp Hour

Offered with 3 different models of Battery Packs and a universal 100 to 240VAC Charger. The WC-8 draws less than 1 Amp, so even the smallest battery pack gives an inspector a full day of testing capability. A dual output battery pack allows the connection of a 12 Volt UV Lamp.

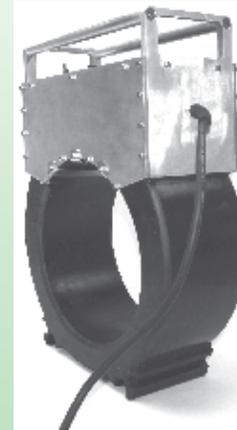
WC-9 Cordless DC Yoke



Models: WC-9
 Voltage: Battery - 13.2 VDC
 Charger: 100 to 250 VAC, 50 to 60 Hz
 Amperage: Yoke - 0.5 Amps @ 13.2 VDC
 Battery: 3 AMP Hour, NiMH
 Capacity: 0-11" (280mm)
 Lift: 50 Pounds (23Kg) Min
 Weight: 7.8 Pounds (3.5Kg)

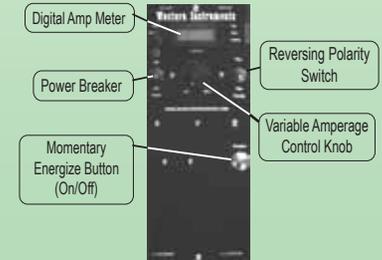
The WC-9 draws 1 Amp, so the 13.2 Volt Battery (3 Amp Hours) provides a full 3 hours of continuous operation, or a full working day for most inspectors. The individual cells of the WC-9's Battery Pack are not 'potted', so the Pack can be rebuilt. The universal 100 to 240VAC Charger allows the WC-9 to be used anywhere in the world.

WD - Series continued..



Reversing DC Demag is accomplished by Reversing the Polarity Switch, Reducing the Amperage followed by a brief shot, by Energizing the Coil. This Reducing - Reversing step is repeated, until the Field is reduced to a desirable level. The AC Option can be selected if the operator wants to Demag small parts, or must inspect in an active AC Field. The AC Option is also variable and provides an output of 0 to over 5000 Amp Turns. The output from WD-Series Coils might be referred to as Rectified DC, but as the current passes through over 1000 Turns of wire, the field is virtually Full Wave DC. To aid particle mobility, WD-Series Coils are also offered with a Pulsed DC Option, for a true Active Field inspection when set on Pulsed, the Coil is turned off and on at over 80 times per minute, again with a fully variable output. These powerful WD-Series Coils operate from just 230/50 or 115/60 AC power.

Model	ID Size	115/60	230/50	Output
WDV-8	8.5"/216 mm	11 Amps	6.5 Amps	11,500
WDV-10	10.5"/267 mm	12 Amps	7 Amps	12,000
WDV-14	14"/368 mm	14 Amps	8 Amps	15,000
WDV-16	16"/406 mm	Not Available	10 Amps	17,000
WDV-18	18"/457 mm	Not Available	11 Amps	19,000
WDV-25	25"/635 mm	Not Available	14 Amps	25,000



Pipeline Pre-Weld Demag

WD-Series Coils have become the premier Pipeline Pre-Weld Demagnetisation System used to increase weld production and Weld Quality on the right of way, Process Plant, or in the Fab Shop. Welders will agree that defects can be traced to Arc Blow, due to magnetization of the workpiece edges. Western's System uses Reducing and Reversing DC Fields to achieve full Demagnetization.

When dealing with the strength of Magnetic Fields due to the mass of pressure piping, AC Fields simply don't work due to the strength of the field required to neutralize the dipoles that create a magnetic field. When strong magnetic fields exist, Reducing and Reversing DC Fields create a magnetic plug, stopping the ability of the magnetism to creep back toward the pipe end.

W-IC Inspection Booths

W-Series Products include mobile and fixed Inspection Booths. These W-IC Booths are ordered in a standard width of 800mm (32"), and in lengths of 1200mm (40"), 1.8m (6'), 2.4m (8'), or longer. Specifications for W-IC's have not been listed as configurations are numerous. Inspection Booths are used in conjunction with Yokes and Coils, on either a batch or production basis. However, they have been fitted with small Power Packs and fixed or split coils.

