

Western Instruments WD-Series DC Magnetizing Coils



- DC Magnetization
- Reversing DC Demagnetization
- Variable Output 0-10,000 Amp-turns

- Digital Amp Meter - Constant Reading
- Solid State Electronic Controls
- Fully Self Contained - No External Power Supply

The WD-Series Coil are in a Field of their Own!

The WD-Series Coils are designed specifically for Magnetic Particle Inspection, and have grown in popularity from the Oil Country Tubular Goods Inspection Industry. Drill Pipe, Couplings and other Drilling Tools are regularly inspected for Transverse Cracks, which are normally found in the last engaged thread. These inspections are often performed in the Field, but are just as common in manufacturing and repair facilities.

The WD-Series are available in 5 Models, with their Model Number designation in ID size ;

- WDV-8 (8 5/8"/219mm ID)
- WDV-10 (10 3/4"/273mm ID)
- WDV-14 (14"/356mm ID)
- WDV-16 (16"/406mm ID)
- WDV-25 (25"/635mm ID)

WDV-8 ,10, & 14 are available in 115Volt/60Hz and 230Volt/50Hz Models.

WDV-16 and 24 are available in 220 Volt/60Hz and 230Volt/50Hz Models.

All Models are Available with our exclusive AC Option.

Specifications:

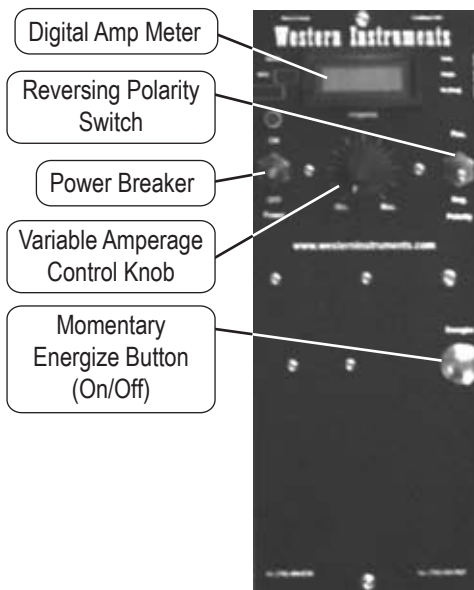
Models:	All sizes of WDV or WDP Series Coils	Frequency:	50 or 60Hz
Voltage:	115VAC or 230VAC (Nominal)	Size:	8.5", 10.5", 14", 16" 25" ID Min.
Current:	WDV - 0 to 20 Amps (Model Dependent)	Weight:	Model & Size Dependant
Capacity:	WDV - 0 to 16,000 Amp-Turns (Model Dependent)		23 to 52lbs. (10.5-23.6kg)
	WDP - 10,000 Amp-Turns (min. values)		

*Standard Voltage is 115 VAC, 230 VAC is optional.

*Options; Cast Feet; and Removable Power Cord, ID Wear Bars, AC Output, Foot Switch.

*Separate Power Supplies are available for retrofitting coils.

The WDV Power Supplies offer the operator Infinite Variable Control on the DC Output of the Coil. All WD-Series Coils have a DC output greater than 10,000 Amp Turns, meeting the most stringent specifications. WDV-Series Coils have gained a very favorable, World wide, reputation for their manual Reversing DC Demagnetization capability. 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 would be selected if the operator wants to Demag small parts, or must inspect in an active AC Field. WDV-AC Coils typically provide an AC field well over 4000 Amp Turns.



Control Panel for AC Option



AC/DC Switching Plug