

Western Instruments

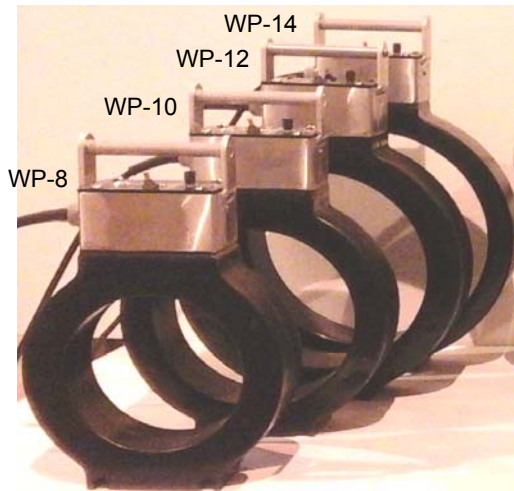
Established 1965

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WP-Series Coil Summary



Western Instruments new Medium Duty WP-Series of Portable MPI Coils are a completely new platform. They are not based on any existing type of Coil, having been developed from Customer input and using our advanced Electro-Mechanical Engineering. WP-Series Coils are being offered in 4 different ID Sizes; 8" (203mm), 10" (254mm), 12" (305mm) and 14" (355mm), and have been appropriately named; WP-8, WP-10, WP-12 and WP-14.

WP-Series Coils are based on a Specially Designed AC Platform, with the ability to add Half -wave (Pulsed) DC characteristics as an AC/DC Yoke. The AC Output of WP-Series Coils is 30% stronger than any other Portable AC Coils. WP-Series Coils are being offered with 4 different Control Packages;

Energize Button



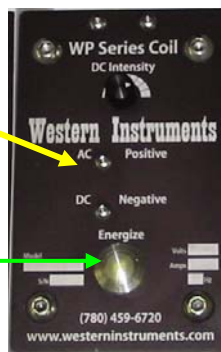
1. Basic

Models: WP-8, WP-10, and WP-12

- Energize Button.
- Output:
 - 4,000 Amp Turns AC

AC/DC Selection Switch

Energize Button



2. AC/DC

Models: WP-8D, WP-10D, and WP-12D

- Energize Button.
- Output:
 - 4,000 Amp Turns AC
 - 6,000 Amp Turns DC Output.

3. AC/Variable DC
 Models: WP-8DV, WP-10DV, and WP-12DV

- **Energize Button.**
- **Output:**
 - 4,000 Amp Turns AC
 - 0 to 6,000 Amp Turns DC Output.

4. AC/Variable and Reversing DC
 Models; WP-8DVR, WP-10DVR, and WP-12DVR

- **Energize Button.**
- **Output:**
 - 4,000 Amp Turns AC
 - 0 to 6,000 Amp Turns DC Output.
 - **Reversible Polarity (Positive / Negative)** for Reversing DC Demagnetization

Like all of Western's Portable MPI Equipment, the WP-Series are being manufactured in both North American Domestic Voltages (115VAC/60Hz), as well as European Standards (230VAC/50Hz). Export Models are designated by a K after the Model Size (eg. WP-10KDVR). Like all of Western's new MPI developments, our initial designs and testing are on 230VAC/50Hz Power.

The Control Housing for WP-Series Coils is securely fastened to the moulded coil with internal aluminum custom fasteners. In turn, the Housing is of a Welded Aluminum Construction, and the Handle not only makes handling easy, but also protects the Control Actuators from mechanical damage. With the control panel also being anodized aluminum, the entire assembly makes an excellent heat sink to dissipate heat from the electrical / electronic controls, increasing the duty cycle drastically.

Regardless of the Control Option selected, Western offers an optional foot switch. The Foot Switch allows the Coil to be instantaneously activated by either the Energize Button or the Foot Switch. WP-Series Coils are moulded from a robust Urethane Rubber, for years of durable service. A Foot is integral to the WP-Series Urethane Rubber casting, and is used to keep the Coil from Rolling, as an aid to handling, or as a mounting point.

Our Medium Duty WP-Series Coils are an economical alternative to our Heavy Duty WD-Series Coils. While the more powerful WD-Series Coils are designed for the most stringent industry specifications, WP-Series Coils meet or exceed all standard industry specifications such as ASTM E1444 & E709, NAVSEA 271-97, and ISO 9934-3 for Portable Coils.