

- AC & HWDC output
- Either end terminals for quick changeover
- Demagnetising facility
- Choice of prod tips

MAGNETIC PARTICLE INSPECTION EQUIPMENT

PORTABLE POWER PACK

Provides an economical and convenient means of inspecting a wide range of assemblies for both surface and near-surface defects.



P920 With infinitely variable current control



**Required Accessories-
Pistol Grip Prods and
cables, and/or Coil cable**



**Other Accessories
include Magnetic
Leeches. Split Coils.**

MAGNAFLUX®

Division of ITW Ltd

MAGNETIC PARTICLE INSPECTION EQUIPMENT

PORTABLE POWER PACK MODEL P920

This portable unit has an aluminium chassis; composite end panels and a coated aluminium top cover fitted carrying handles.

The operating controls are mounted on the front panel with the ventilating fan, mains input and circuit breaker at the rear.

CONTROLS

Infinitely variable output current, "Mains on" Lamp, Analogue Ammeter complete with AC/DC Switch.

OUTPUT TERMINALS

Three either end Output terminals, Common, AC and HWDC.

AC current develops a strong magnetic field in the outer skin of parts under test and is recommended for surface defects. AC current minimises background interference and should be used for demagnetising parts.

HWDC

Current develops a magnetic field, which penetrates into the part under test and can reveal both near-surface and surface defects. The pulsating effect of HWDC increases particle mobility.

OPERATION

AC or HWDC current operation is selected by connecting cables to the appropriate either end terminals and selection of the ammeter range.

Circular magnetisation is achieved by using Pistol Grip Prods or Leeches to pass current directly through the part under test.

Longitudinal magnetisation is achieved by wrapping cable around the part to form a 3.5 turn coil or by using a Split Coil. These coils can also be used as a means for demagnetising by selecting AC current and pulling the part away from the coil or by continuously reducing the current to zero.

The current shot is activated from either the switch fitted to the Pistol Grip Prods or a remote Push Button.

Specification and Operating Data

Model	Magnetising Current Output	Maximum Intermittent Output into 9m x 108mm ² cable*	Open circuit Output Voltage	Control Switch Voltage	Current Draw From supply at Maximum Output Current	Overall Dimensions	Nett Weight
P920	AC/HWDC	1500 amps	5	50V AC	55A @ 240 V 30A @ 415 V	325mm x 325mm x 640mm Long	54kg

All units carry the C E mark and conform to the appropriate European Union Directive

- AC current in RMS values
- HWDC current in MAGAMP values

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