



PS200

Power Supply Variable AC / DC

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Introduction

Weis is a specialist company with over 40 years of experience in the commissioning, testing & maintenance of switchgear and power network fault monitoring within the Power Utility Industry.

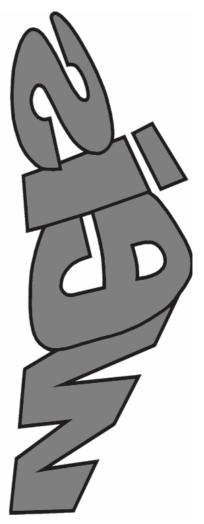


The PS200 Power Supply is a variable power source, mainly for Switchgear Testing and is an instrument intended for use in Power Station, Substation & industrial environments.

As Station Batteries should not be used or interfered with, the PS200 provides an ideal alternative power source for testing the breaker, as well as for minimum operating voltage testing of breaker coils, as laid out in international rules and regulations.

Also available within our range of switchgear test equipment:

- ► SA100, Switchgear Analyser
- ► SA100R, Switchgear Analyser
- ► SA100RS, Breaker Analyser
- SA100s, Breaker Timing Test Set
- MM100, Micro-ohm Meter
- ► MM200, Micro-ohm Meter
- MM600, Micro-ohm Meter
- RT100, Secondary Injection Relay Test Set
- ▶ PS100, Power Supply
- ▶ SA200, Automated Factory Test System





Specifications

OUTPUT

AC Power: 0 to 280V AC

50A peak

DC Power: 0 to 280V DC

50A peak

Ripple: < 2%

OUTPUT CHARACTERISTICS

DC Breaker Coils:

No-load Voltage Current Load Dependency 24V 10A < 5% 48V 10A < 3% 55V 10A < 3% 110 / 120V 8A < 2% 220 / 240V ЗА < 2% 280V 1.5A < 2%

AC Breaker Coils:

Voltage Range Load Current Load Interval 0-280V AC 10A max. 30min max.

DC Spring Charging:

Open Circuit Voltage Current Load Voltage Max. Load Interval

24V 20A 20V 30s 48V 40V 60s 15A 55V 20A 40V 30s 40s 110 / 120V 15A 95V 220 / 240V 10A 190V 30s

MEASUREMENT

Readout: 3 digit backlight LCD display

Resolution: 1V steps
Displayed Values: AC Voltage
AC Current
DC Voltage
DC Current

Accuracy: +/- 1% of displayed value

OPERATING VOLTAGES

Fixed Prime Power: 220 to 240V 50/60Hz

or

110 to 120V 50/60Hz

Auto-sensing

ENVIRONMENTAL

Operating

Temperature: -20°C to +70°C (-4°F to +158°F) **Humidity:** 0 to 97% RH non-condensing

Isolation: 2kV rms for 1 minute

Surge Withstand

Transient: To IEC 801-5. 1.2/50μS

Common Mode: Severity level class 4. Series Mode: Severity level class 3

Fast Transient Burst: To IEC 801-4 level 3

RFI Immunity: To IEC801-3 level 3. 10V/m 26-1000MHz

Emissions: To EN50081-1: 1992



Weight: < 27Kg

Carry Case: Reinforced aluminium, 340mm x 240mm x 150mm

DUE TO CONTINUING DEVELOPMENT AND IMPROVEMENTS WEIS RESERVES THE RIGHT TO CHANGE THIS SPECIFICATION WITHOUT NOTICE







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