

PROGRAMMABLE LABORATORY POWER SUPPLY

Laboratory power supply for up to 60 V and 24 A, with RS485-Interface



With our PS1440-C-PRO, you get a programmable laboratory power supply that delivers DC voltages ranging from 0.01 to 60 V and DC currents from 0.01 to 24 A at the voltage output.

The intuitive control panel allows you to program, store, and recall up to 9 different DC voltages. You can also program individual settings for various protection and limiting functions, such as overvoltage protection. These settings are easily adjusted via the keypad and/or rotary control and are clearly displayed on the high-resolution 2.4" color display.

This power supply is further enhanced by an RS485 interface, which provides robust communication capabilities. The RS485 interface allows for reliable, long-distance communication. This is ideal for complex setups where communication integrity and noise immunity are critical. The included connector ensures a secure and dependable connection, enhancing the overall reliability and performance of your laboratory equipment setup.

MAIN FEATURES

Special functions	Complete device ready for immediate use, RS485-Interface, Battery charging function, Values can be entered conveniently via keypad, Over current & over voltage protection adjustable, Integrated RTC, NTC temperature sensor Included detailed documentation in English, German & French
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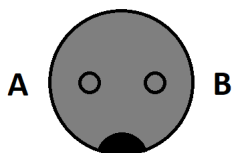
Input voltage	230 V AC
Output voltage	0 - 60 V DC
Output current	0 - 24 A
Output power	0 - 1440 W

TECHNICAL SPECIFICATIONS

Input voltage accuracy	$\pm 1\% + 5$ digits
Output voltage accuracy	$\pm 0,3\% + 3$ digits
Output current accuracy	$\pm 0,5\% + 5$ digits
Battery voltage measurement accuracy	$\pm 0,5\% + 3$ digits
Input voltage measurement resolution	0,01 V
Output voltage measurement resolution	0,01 V
Current measurement resolution	0,01 V
Battery voltage measurement resolution	0,01 V
Response time in constant voltage mode	2 ms @ 0,1 - 5 A
Load regulation in constant voltage mode	$\pm 0,1\% + 2$ digits



Pin assignment of the RS485 socket



Load regulation in constant current mode	$\pm 0,1 \% + 3$ digits
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Measuring range electric charge	0 - 9999,99 Ah
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Measuring range energy	0 - 9999,99 Wh
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Statistical errors in electric charge & energy	$\pm 2 \%$
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Output ripple	100 mV VPP @ 12 V, 150 mV VPP @ 24 V
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Sensor temperature detection range	-10 - 100 °C / 0 - 200 °F
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Sensor temperature detection accuracy	$\pm 3 \text{ °C} / \pm 6 \text{ °F}$
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Working mode	Step-down operation
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Screen brightness setting	Level 0 - 5, 6 levels in total
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Permissible working temperature	-10 - 40 °C / 0 - 104 °F
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MORE INFORMATION

Dimensions	170 x 93 x 340 mm
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Article no.	JT-PS1440-C-PRO
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Items shipped	JT-PS1440-C, power cord, manual, 2-pin connector for RS485-Interface
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Customs tariff no.	8504403000
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EAN	4250236829661
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