

HQPOWERTM



PS1503SBU

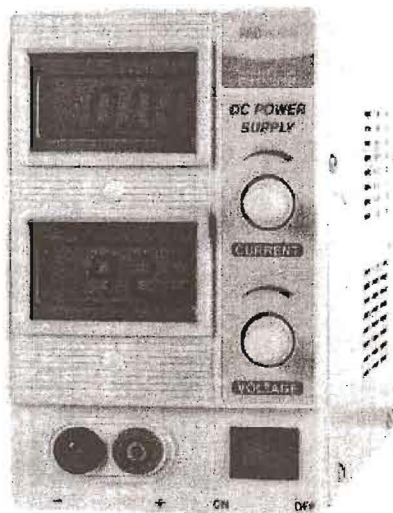
DC-REGULATED POWER SUPPLY

REGELBARE DC LABORATORIUMVOEDING

ALIMENTATION CC RÉGLABLE

ALIMENTACIÓN DC AJUSTABLE

REGELBARES DC-LABORNETZGERÄT

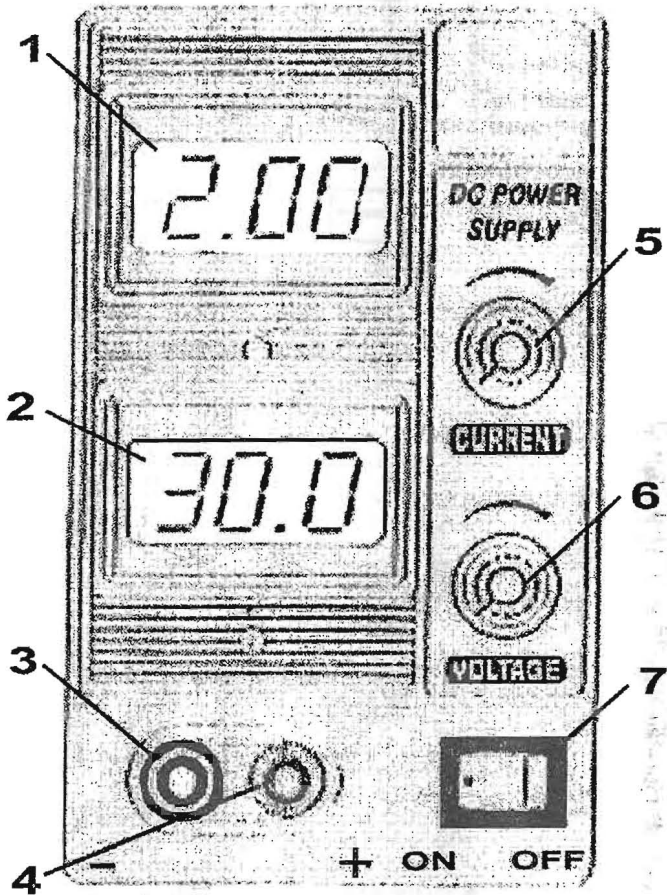


USER MANUAL
GEBRUIKERSHANDLEIDING
NOTICE D'EMPLOI
MANUAL DEL USUARIO
BEDIENUNGSANLEITUNG

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**WARNING:
THE INPUT VOLTAGE
FOR THIS MODEL IS
115VAC !!!
PS1503SBU**





1. Output current display
2. Output voltage display
3. Output plug negative (banana)
4. Output plug positive (banana)
5. Output current adjustment knob
6. Output voltage adjustment knob
7. AC power switch

USER MANUAL

1. Introduction

To all residents of the European Union

Important environmental information about this product

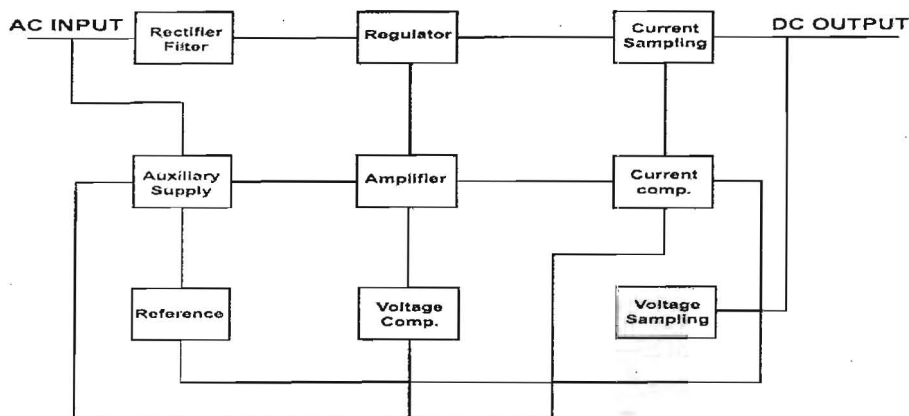


This symbol on the device or the package indicates that disposal of the device after its lifecycle could harm the environment. Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling. This device should be returned to your distributor or to a local recycling service. Respect the local environmental rules.

If in doubt, contact your local waste disposal authorities.

Thank you for choosing the Velleman! Please read the manual thoroughly before bringing this device into service. If the device was damaged in transit, don't install or use it and contact your dealer.

2. Block Diagram



3. Front Panel

Refer to the illustrations on page 2 of this manual.

1. Current indication
2. Voltage indication
3. Black = negative (-) output terminal
4. Red = positive (+) output terminal
5. Current adjustment knob
6. Voltage adjustment knob
7. Power switch

If you want to use the unit as a stable voltage supply, set (5) on maximum CW. Then turn the unit on and set (6) to the required voltage.

If you want to use the unit as a stable current supply, turn the unit on, set (6) to the maximum CW. and (5) to the minimum CCW. Connect the load and set (5) to the required current.

If you want to use the unit as a stable voltage supply, you can set the protection point of the current limit randomly. Set (5) on the minimum CCW. Then, short-circuit the output terminals and set (5) CW. Set the output current to the required limited current point.

For more accuracy, connect an external high accuracy meter.

4. Notes

- This unit is short circuit protected. If a short circuit should occur, turn the power supply off and solve the problem.
- Install or store the device in a clean and well-ventilated environment.
- Do not try to open the housing yourself. All repairs should be executed by a qualified technician.
- Disconnect the unit from the mains during maintenance.
- The unit can get very hot when you are using a high power output.
- If the unit is defective, the output may rise over the maximum rated voltage. Always keep an eye on the load to prevent damage.
- This unit should be earthed properly.

5. Technical Specifications

input voltage	220 VAC $\pm 10\%$; 50 Hz ± 2 Hz 115Vac $\pm 10\%$, 60Hz ± 2 Hz
output voltage	0 ~ 15 V continuously adjustable
output current	0 ~ 3 A continuously adjustable
ripple and noise	CV ≤ 1.0 mV RMS CC ≤ 3 mA RMS
supply regulation	CV $\leq 1 \times 10^{-4} + 0.5$ mV CC $\leq 2 \times 10^{-3} + 6$ mV
load regulation	CV $\leq 1 \times 10^{-4} + 2$ mV CC $\leq 2 \times 10^{-3} + 6$ mV
accuracy voltage	$\pm 1\% + 2$ digits
accuracy current	$\pm 2\% + 2$ digits
protection	current-limiting
operating temperature	0 ~ 40°C
operating humidity	< RH 80 %
operating atmospheric pressure	86 kPa ~ 104 kPa
autonomy	8 hrs of continuous operation
dimensions	225 x 95 x 160 mm
weight	2.5 kg

Use this device with original accessories only. Velleman nv cannot be held responsible in the event of damage or injury resulted from (incorrect) use of this device. For more info concerning this product, please visit our website www.velleman.eu. The information in this manual is subject to change without prior notice.

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