

VOLTCRAFT – TOP PERFORMANCE IN EVERY WAY

For more than 40 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

ESP-3005S LAB POWER SUPPLY



Item no. 2567926

The laboratory power supply functions as a potential-free source of power for the operation of low-voltage units. It has been developed for universal use in the research, development, manufacturing, service and training fields. The units to be operated are connected via the sockets on the front of the device. All operating controls and indicators have been neatly arranged to simplify use. The corresponding power and voltage values are easily visible on the high-contrast LED display. The control dial on the front of the device is used to set current and voltages values. The current consumption of a connected unit may not exceed the maximum amperage as listed under technical data. The laboratory power supply has a protection against overload and voltage reversal. The device conforms with protection class I. It has been approved for connection only to a grounded power outlet and alternating voltage of 230 V/AC, 50 Hz.

FEATURES

0 - 30V/DC // 0 - 5A // 3 digit LED display // overload protection // voltage reversal protection

TECHNICAL DATA

a) General information

Operating voltage	230 V/AC ($\pm 10\%$)
Frequency	50 Hz (± 2 Hz)
Control range of output voltage	0 – 30 V/DC
Control range of output current	0 – 5 A
Display accuracy	$\pm 0.5\%$ ± 1 digits
Operating time without interruption	max. 24 h
Fuse	F, 3.0 A / 250 V - 5 x 20 mm
Protection class	I
Power cord length	1.5 m
Display	3-digit, red LED (voltage) and red LED (current)



Operating temperature/ humidity	0 to +40 °C, ≤80 % RH
Storage temperature/ humidity	0 to +40 °C, ≤80 % RH
Dimensions (W x H x D)	226 x 82 x 138 mm
Weight	1.27 kg

b) Output voltage

No-load	≤0.03 % ± 1 mV
Load	≤0.33 %
Residual ripple	≤3 mVrms

c) Output current

No-load	±0.01 % ± 1 mA
Load	±0.2 % ± 5 mA
Residual ripple	≤3 mVrms

PACKAGE CONTENTS

Power supply // Mains cable // Operating instruction