

VOLTCRAFT

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.

MSP-3010 Laboratory Power Supply

CE

Item no: 3474029

Laboratory power supply intended to be used 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.



FEATURES

3-digit display // DC output voltage 0 – 30 V/DC (max. 10 A) //
AC output voltage 2 – 30 Vrms (max. 10 A)

TECHNICAL DATA

General

Input voltage	220 – 240 V/AC, 50 Hz
Protection class	I
Fuse	250V, T8A
Operating time without interruption	max. 8 hours under full load
Display	3-digit
Display accuracy	Voltage: $\pm (1.0 \% \text{ Rdg} + 2 \text{ digits})$ Current: $\pm (1.0 \% \text{ Rdg} + 2 \text{ digits})$
Operating temperature/ humidity	0 to +40 °C, $\leq 80 \% \text{ RH}$
Storage temperature/ humidity	0 to +40 °C, $\leq 80 \% \text{ RH}$
Power cord length	1.5 m
Dimension (W × H × D) (approx.)	170 × 160 × 250 mm
Weight (approx.)	3 kg

AC output

AC output voltage (max)	2–30 Vrms
AC output current (max)	0–10 A (4–30 V/AC) 0–5 A (2–4 V/AC)
AC voltage resolution	0.1 V
AC current resolution	0.1 A
AC output frequency	50 Hz, 60 Hz switchable or line tracing
AC output accuracy	1 % (Frequency)
AC display accuracy	Voltage: $\pm(1.0 \% \text{ Rdg} + 2 \text{ digits})$ Current: $\pm(1.0 \% \text{ Rdg} + 2 \text{ digits})$

DC output

DC output voltage	0 – 30 V/DC
DC output current	0 – 10 A
DC voltage resolution	0.1 V
DC current resolution	0.1 A
DC line regulation	CV $6 \times 10^{-4} + 3 \text{ mV}$ CC $2 \times 10^{-3} + 3 \text{ mA}$
DC load regulation	CV $2 \times 10^{-3} + 5 \text{ mV}$ CC $2 \times 10^{-3} + 3 \text{ mA}$
DC ripple and noise	15 mVrms (CV) 15 mArms (CC)

DC display accuracy	Voltage: $\pm(1.0\% \text{ Rdg} + 2 \text{ digits})$
	Current: $\pm(1.0\% \text{ Rdg} + 2 \text{ digits})$

CONTENTS

Power supply // Operating instructions