



# **VOLTCRAFT®**

VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

"6LØH , 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."

## VSP 2410

CE

# LABORATORY POWER SUPPLY UNIT

VERSION

N° 51 19 19

The high developed switching power supply technology with active PFC allows stable output voltage and high efficiency. The output voltage can be set in series by using an external voltage and can be maintained independently from the load (scanning operation). A tracking function allows both the main outputs to be switched in series and in parallel. This means that the output voltage or current of an output can be doubled. Output A works as a master in parallel operation. The device has an additional 0 - 6 V / 1.5 A output for digital switching, amongst other items. The output current and voltage can be precisely set by using coarse and precision regulators. The C limit preset function allows current limiting to be set at the output without any short circuit bridges.

## HIGHLIGHTS

Parallel / series or individual operation of the main outputs //

Switching power supply technology //

Can be remote controlled //

C limit preset function //

Scanning function //

# GENERAL SPECIFICATIONS

**CONNECTIONS:** Outputs 4 mm grounded sockets, remote and scanning via screw terminals at the rear side **NUMBER OF OUTPUTS:** 3 **OUTPUT VOLTAGE 1:** 0.1 - 40 V/DC **OUTPUT VOLTAGE 2:** 0.1 - 40 V/DC **OUTPUT VOLTAGE 3:** 0.1 - 6 V/DC **INPUT VOLTAGE:** 230 V/AC **OUTPUT CURRENT 1:** 0 - 10 A **OUTPUT CURRENT 2:** 0 - 10 A **OUTPUT CURRENT 3:** 1.5 A **OUTPUT:** 809 W **WEIGHT:** 7.5 kg **DIMENSIONS (W x H x D):** 437 x 88 x 340 mm

## TECHNICAL DATA

|  |   |
|--|---|
| Residual ripple at nominal load<br>Output A of Vmax:<br>Output B of Vmax:<br>Output C of Vmax: | < 0.025 %<br>< 0.025 %<br>< 0.006 %             |
| Voltage control response at 100 % load change:   | < 0.04 % (Vmax)                                 |
| Voltage control response at 20 % mains fluctuation:  | < 0.005 % (Vmax)                                |
| Current control behaviour at 100 % load change:  | < 5 mA  |
| Current control behaviour at 20 % mains fluctuation:   | < 5 mA  |
| Operating voltage:   | 230 V/AC ( $\pm 20\%$ ), 47 - 53 Hz             |
| Power consumption (max.):  | 1000 VA   |
| Mains fuse:  | slow blow (5 x 20 mm), T6.3A/250V               |
| Operating temperature:   | 0 °C to +40 °C                                  |
| Relative air humidity:   | max. 80 %, non-condensing                       |
| Protection class:  | 1   |
| Mains connection:  | Low-power device installation plug, IEC 320 C14 |

## PACKAGE CONTENT

Laboratory power supply unit // Mains cable // Operating instructions