

# Power Supply for VUV spectrometer HCV 3,1M - 12000

Type:



## Special Features

- Three high precision high voltage sources switched in series;
- Extensive measures to protect the sensitive load;
- Overvoltage and over-current protection;
- Customized analogue and digital interfaces.

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**Low and High Voltage  
Power Supplies**

**DIN EN ISO 9001**

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## Displays

6 DVMs 5½ digit for output voltage and output current of each source

## Control

Voltage adjustment for each source at the front plate with coarse and fine 10 turn potentiometers

Current limitation for all three sources and over-voltage limitation for sources 2 and 3 with rear 10 turn potentiometers

Display selection output values / set values / limits

The following operation modes are selectable:

- Mains on / off
- High voltage on / off
- Manual mode
- Remote control

Shut down by means of a locking emergency switch

Keyswitch with positions: „Manual mode“, „Remote control“ and „Locked“.

Test button for LED displays

External and internal Interlock loop with reset button.

## External Control

With the exception of emergency switch off and setting of the limits, all functions of the unit can be controlled by analogue signals (sockets at the rear side). All status signals can be red out both in the manual mode and in the remote control mode.

## Technical data

Mains: 230 V  $\pm 10\%$ , 47 - 63 Hz

Output V1: 0 -  $\pm 100$  V / 0 - 1 mA

Output V2: 0 - +2.000 V / 0 - 1 mA

Output V3: 0 - +10.000 V / max. 0,1 mA

Stability over 8 h and Tc:  $1 \times 10^{-4}$  of nominal value

Environment temperature: 0 bis 40°C

## Design

19" - rack, Height 266mm (6HU), Depth: 450 mm, Weight: 10 kg

## Application

Multi-Channel-Plate (MCP) detector of a XUV- spectrometer system