Power Supply for Ion Source (Extractor)

Type: **HCH 4950M - 90000**

Special Features

Stability of high voltage:
10ppm over 8 hours
Temperate drift:
10ppm / K

Over voltage protection
Short circuit proof
Over temperature protection
External interlock
(each of them with switch off and reset button)

Fast regulation for pulsed load

For 24 hours / day use around the clock

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Low and High Voltage Power Supplies

DIN EN ISO 9001

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Displays

2 DVM 3½ digit for output voltage and output current

Control

10 turn potentiometer at the front plate
Button for HV - ON / OFF
Reset button

External Control

all functions (including reset function) remotely controllable via analogue programming (0 - 10V) or computer interface RS 232

Technical data

Mains input:	3 x 400 V ±10%, 47 - 63 Hz
Output:	0 - 90000 V / 0 - 55 mA
Stability over 8 h and TK:	$1x10^{-5}$ of nominal value
Environment temperature:	0 to 40°C

Overshoot in pulsed operation (Pulse duration 0,1ms, frequency 10Hz): < 100V

Design

Case:	Oil filled high voltage tank with power part on the top 710mm x 700mm x 1200mm (WxDxH)
Weight:	300 kg

Application

Extractor electrode of the ion source of a particle accelerator

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