

Power Supply for Electron Microscope HCV 252M-15000

Type:



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**Low and High Voltage
Power Supplies**

DIN EN ISO 9001

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Special Features

Multiple high voltage supply with highest stability and lowest residual ripple. Especially designed according to a detailed specification.

Application

Highly resolving electron microscope (LEEM)

Control

Control of all separate voltage sources only via a RS-485 interface

Technical Data

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

Outputs

Basic potential: 15 kV, max. 1 mA

Voltage increment with ramp function

Object potential: -5 V ... + 2 kV

Heater, current regulated: max. 10V, 0 ... 5 A

Bombardement voltage: 0 ... 1,5 kV, 0 ... 100 mA

Emission current regulation via thermo element, also temperature regulation with display

Lower field: -2 kV ... +5 kV

1. aperture: 0 ... +10 kV, max. 1 mA

2. aperture: 0 ... +15 kV, max. 1 mA

The voltage sources are floating partially at up to 15 kV

Typical values of stability:

25 ppm to 0,8 ppm / 20 min. , depending from the source

Environment temperature: 0 to 40°C

Design

Case: 19" cabinet on rollers

Weight: approx. 80 kg

Connectors: Mains at the rear side
other connectors in front

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