

# Multiple High Voltage Power Supply HCV 190M-12000

Type:



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Low and High Voltage  
Power Supplies

DIN EN ISO 9001: 2000

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## Special Features

Up to ten high voltage sources are operated on a common high voltage potential of up to 12 kV. Residual ripple and stability of the sources are in the range of  $10^{-5}$  of the end value.

## External control

Customer specific control unit based on Probus V system.

## Technical Data

Mains: 160 - 240 V  $\pm$ 10%, 47 - 63 Hz

### Outputs

Primary energy: 0 - 12 kV / max. 25mA, negative

Voltage stability: <10ppm with pulsed load

Tc: <10ppm / K

Residual ripple: <10ppm p - p

Grid voltage: 100V - 700V / 100  $\mu$ A, negative, floating on primary energy potential

Auxiliary voltage: 15 V / 300 mA, regulated, floating on primary energy potential

Filament supply: max. 10 V / 0 - 1,5 A, central point floating on primary energy potential, current regulated

## Design

Modular integrated system with floating "hotbox" in double 19" rack 9 U high. Flexible equipped with up to ten floating sources.

## Application

Special scanning electron microscope (SEM) with pulsed electron beam for testing of semi-finished products.

November 2008