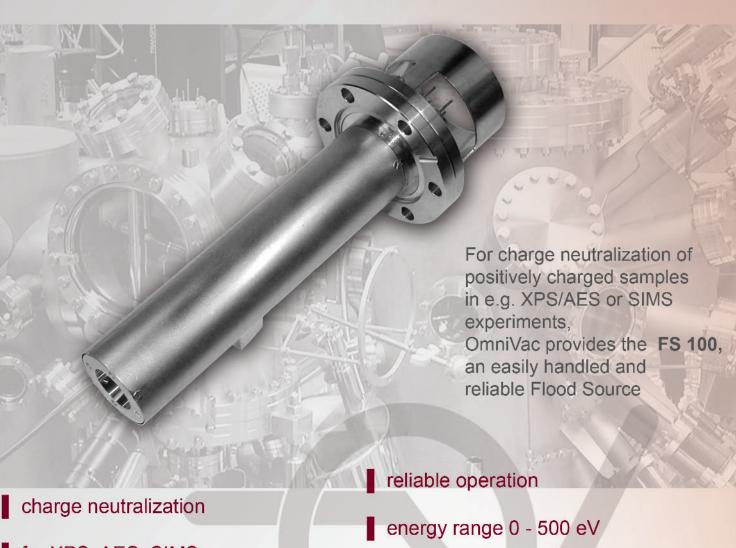


## Flood Source

FS 100



for XPS, AES, SIMS

high beam currents

www.omnivac.de

## FS 100 Flood Source

For charge neutralization of positively charged samples like semiconductors or insulators in e.g. XPS/AES or SIMS experiments, OmniVac provides the FS 100, an easily handled and reliable Flood Source.

The FS 100 provides a constant flux of low energy electrons which serve for effective charge neutralization in the region of interest.

The PS-FS 100 power supply allows for easy control of the important working parameters, i.e. electron energy and emission current.

If desired, an RS 232 or Rs 485 can be implemented for remote control operation of the device.



Measured beam currents on  $0.1 \mu A \text{ (at } 0.1 \text{ eV)}$  sample (grounded,  $25 \times 25 \text{ mm}^2$ )  $24 \mu A \text{ (at } 1 \text{ eV)}$ 

130 μA (at 10 eV) 1500 μA (at 500 eV)

up to 250°C

Beam diameter (FWHM) 11 mm at 500 eV

Bakeable

Mounting flange DN 40 CF Insertion depth 146 mm Working distance 40 mm

reliable operation

easy to handle

► energy range 0 - 500 eV

high beam currents

## Related products:

IS 100/200/300/400 Ion Source series XRS 100 X-Ray Source

## PS-FS 100 Power Supply

Selectable energy ranges 0 - 10 eV and 0 - 500 eV

Interfaces Emission and filament current, Wehnelt voltage,

energy

*Dimension (W x H x D)* 19" x 133 mm x 374 mm



**OmniVac** 

Hertelsbrunnenring 30 D-67657 Kaiserslautern / Germany Tel +49 (0) 631 3110740 Fax +49 (0) 631 28056

sales@omnivac.de