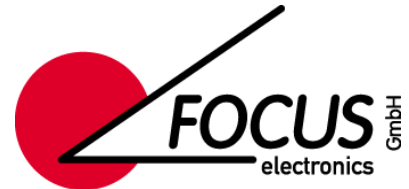


Product Specification Sheet

eBeam Heater Control



Mains:

- mains voltage: 100-240Vac; 50-60Hz
- max. input power: 450W
- mains socket: 3-pin standard European mains input socket

Mechanical Data:

- outer dimensions: standard 19" device with 84TE (449mm), 2 U (98mm) high and 395mm depth
- weight: 7,5 kg
- to be used as: tabletop unit or in 19" rack mount

HV power supply for heating voltage:

- for customer requirement with positive or negative polarity
- adjustable voltage: 0..2kV
- adjustable current: 0..150mA
- maximal power: 300W
- power supply is short circuit and overload tested
- different control modes configurable

Filament power supply:

- floating power supply, for customer requirement referenced to ground or floating on internal high voltage
- maximal isolation to ground: 2kV
- adjustable current: 0..5A
- maximal voltage: 16V
- maximal power: 80W
- power supply short circuit and overload tested
- different control modes configurable

Connections:

- heating voltage (HV): SHV-socket
- Filament: multipole HV-socket type Fischer
- Interlock-Input: BNC-socket
- Signal-In 0..10V: BNC-socket (measurement input for connection of optional temperature measurement box or pyrometer)
- RS232 (firmware updates) and Focus-Bus (CAN)

Configurable control modes:

- filament current mode
- emission current mode
- e-Beam-Mode 1 and 2
- „Radiation“-Mode