

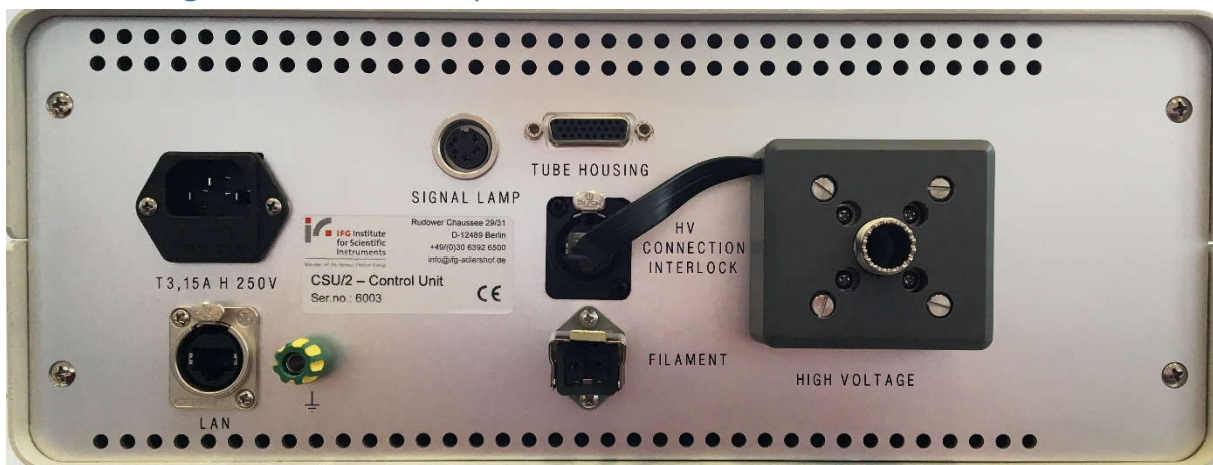
CSU/2 operation manual

Quick start instructions



Micro-focus X-ray source iMOXS(2)
with power supply CSU(2)

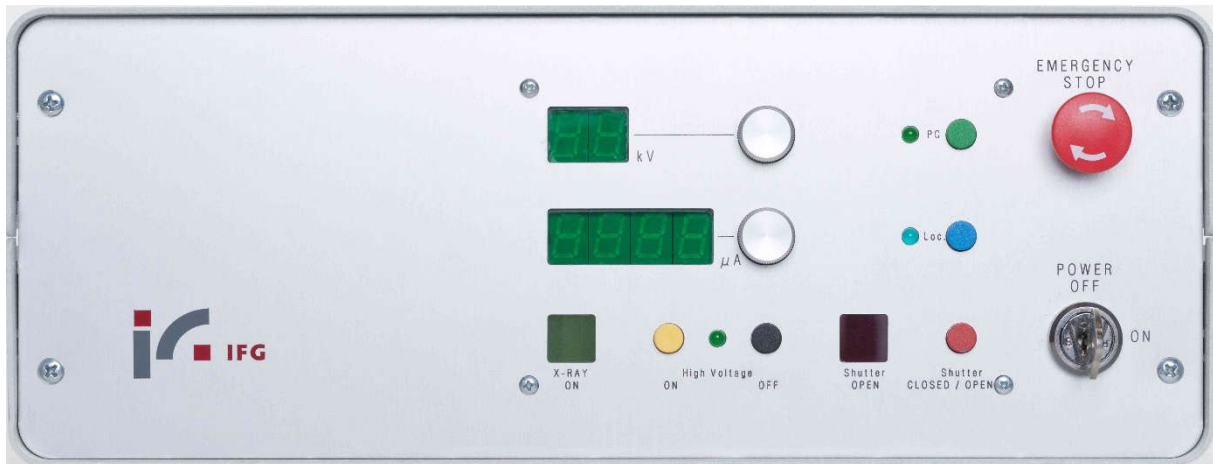
Connecting CSU/2 and X-ray tube



1. Insert HV cable of the tube to "HIGH VOLTAGE" (pink cable)
2. Connect filament cable of the tube to "FILAMENT" (blue cable)
3. Connect tube housing cable of the tube to "TUBE HOUSING" (black cable)
Note: Via tube housing cable a safety interlock circuit can be enabled. The interlock system has to be connected with the Ethernet socket at the tube. If there is no interlock circuit, a dummy has to be inserted in the tube's Ethernet socket.
4. Connect signal lamp to "SIGNAL LAMP"
5. Connect PC via "LAN" for remote control
6. Plug power supply cable to "T3, 15A H 250V"

Begin of operation

Manual Operation



1. Turn the key to “Power On” tow on the device
2. Press the blue button to select “Loc” for manual operation
3. Press the yellow button to switch high voltage on. “On” state is indicated by the green lamp. The displays show zeros.
4. Select high voltage and tube current by twisting the related knobs. Selected values are indicated on the displays. At high voltages above 6 kV the yellow warning window “X-ray on” glows.

Maximum voltages and currents according to manufacturer’s data sheet are

kV	50	40	35	30	25
μA	600	700	800	680	550

The internal software prevents the selection of values for high voltage and tube current that exceed these maximum values.

Note: In case of first operation or after a longer downtime please follow the tube manufacturer’s instructions for the warm-up.

5. Open the shutter by pressing the red button. The “Shutter OPEN” windows glows red.

End of operation

Manual operation

1. Press the red shutter button again to close the shutter
2. Pressing the black button “OFF” to switch off high voltage
3. Switch off device by turning the key to “Power off”