# The HV3
# High-Voltage Supply

RoentDek
Handels GmbH

Supersonic Gas Jets
Detection Techniques
Data Acquisition Systems
Multifragment Imaging Systems

The **RoentDek** **HV3** High Voltage power supply offers three output channels. The form factor is 3HU. In the standard configuration, it is equipped with one negative output and two positive output channels with a maximum voltage of 4kV each. Variants with ±6/8/10kV are also available. The HV3 can be remote controlled in various ways: either directly via a DC-input voltage or by software through the USB-port or over the ethernet (Telnet or web browser interface). This way, it is well suited for the integration into large data acquisition-systems (e.g. Tango).

**Technical details:**

- 3 high voltage output channels. Connector type SHV-5.
- Up to ±10kV output voltage (±4kV in the standard configuration).
- Remote control via USB, TCPIP/Telnet, **Web interface** or DC input control voltage.
- Output current max. 1 mA (0.66 mA in case of ±6kV or if configured with internal 1MΩ-resistor).
- Interlock/inhibit safety feature via external DC-signal.
- DC output monitor voltage.
- adjustable ramp speed.
- Auto-off function in case of current overload (configurable).
- Output voltage accuracy ±1V
- Ripple/Noise: typical < 5 mVp-p, max. <10 mVp-p

Link to manual