

7th of March, 2009

New USB Powered Desktop High Voltage Power Supplies



A new, convenient high voltage research tool is now available from EMCO High Voltage Corp. The USB_HV Series High Voltage Power Supply boasts unprecedented ease of use for engineers, scientists, and researchers experimenting or designing products requiring high voltage. Requiring only a USB cable to operate and power the unit, these new, small form-factor supplies bring an ease of operation to R&D with the same precision of large bench top power supplies, at a fraction of the cost.

Easy computer control of the high voltage is achieved via the supplied software for a wide range of high voltages. Included is a compact power supply, control software and accessories, providing all the connectivity needed right out of the box. After the control software has been installed on a Windows[®] compatible computer, the USB_HV unit is “plug and play”. The user simply enters the desired output voltage on the computer screen and clicks the enable button. The power supply is activated and the control software displays a continuous read-back of the generated high voltage. An LED on the power supply is illuminated when the high voltage is enabled. Units are available with programmable ranges of 0 to 200V, 0 to 500V, 0 to 1000V, 0 to 1250V and 0 to 2000 V at 1 Watt of output power. Positive and negative models are available.

Based on EMCO's proven analog-control regulation technology, coupled with a high-speed microcontroller and 12 bit digital resolution, the units provide excellent accuracy and regulation. The USB_HV Series features digital interface

control, ripple as low as 25 parts per million peak to peak, temperature coefficient of less than 25ppm/ $^{\circ}$ C, precision output voltage monitor, 0 to 100% programmability, very low EMI/RFI emissions, arc and short circuit protection, and proprietary software which allows engineers to have a compact, USB ready, portable high voltage power supply at their finger tips. With a footprint less than 2.3"x3.6" ^ inches, these supplies are ideal for desktop or workbench. Call or email today for your own USB_HV High Voltage Power Supply.