

Technical Data:

Power supply:	4x 1.5 V mignon-cells or accumulation cells or external power supply 6 V / 500 mA, P3120-6N
Display:	LED-display, 2.5 digits, digit height: 26 mm
4 mm-safety bush:	High-voltage output
Dip switch:	ON / OFF
2,5mm-DC bush:	for external power supply
Dimensions:	ca. 160 x 120 x 45 mm
Housing:	ABS plastics housing
Weight:	ca. 970 g

Recommended accessory:

P3120-6N Mains transformer 6V / 500 mA for supplying P3127-1V High-voltage power supply 0 - 18 kV from mains source 230 V~ / 50 - 60 Hz

Take care that the device does not fall. In the event that this does occur, have the device examined or repaired by authorized service personnel.

In the event that unforeseen difficulties arise during operation, switch off the device and contact the dealer.

Do not subject the device to dripping or sprayed water.

Use only fuses of the type and current rating indicated.

The device contains no components requiring maintenance on the part of the user (except for replacing batteries).

This device may only be operated by qualified personnel or by persons they instruct in its use.



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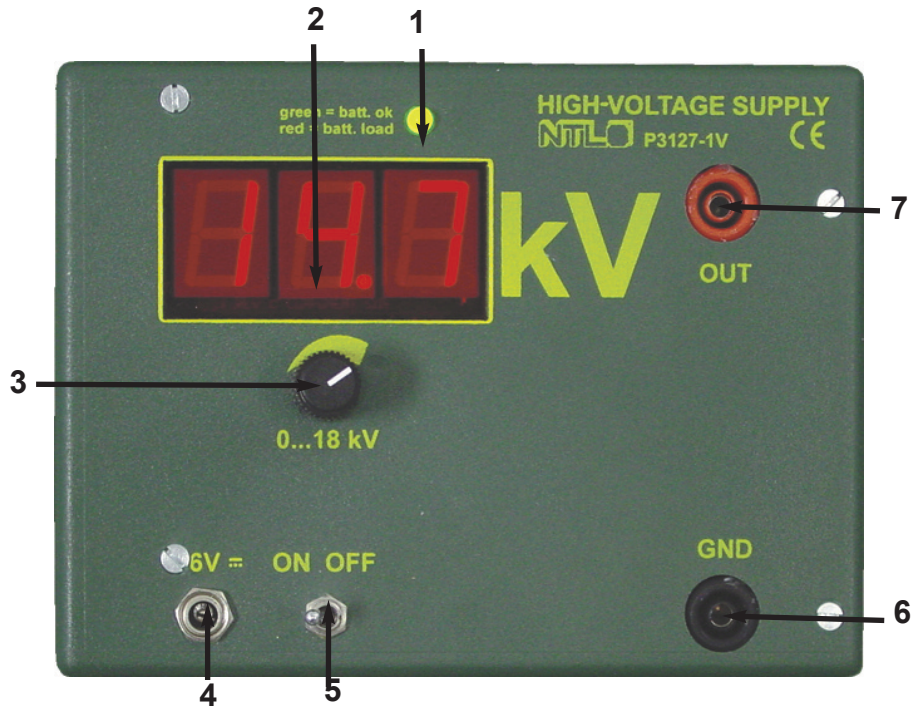


High-voltage power supply "inno", 18 kV P3127-1V

The high-voltage power supply "inno" 0 - 18 kV works as a voltage source in high-voltage experiments such as in the field of electrostatics or while conducting electricity through gases or vacuum.

The advantages of this device are its compactness, the battery-driven operating mode as well as the big display in comparison to the total size of the device.





1 Control-LED for Battery status / Power supply

- 2 2.5 digit LED-display, height: 26 mm
 - 3 Turning knob for adjusting the high-voltage output
 - 4 2.5 mm safety input-bush for external 6 V power supply
 - 5 ON / OFF switch
 - 6 4 mm-safety bush high-voltage output (GND)
 - 7 4 mm-safety bush high-voltage output (+)
- 4 magnets on the backside

Usage

The high-voltage power supply “inno”, 0- 18 kV is turned into operation mode by the use of the dip switch (5). The current output voltage is displayed on the 2.5-digit display and can be taken from the 4 mm -safety bushes (6, 7). The desired output is chosen by the potentiometer (3), which is placed below the display (2). Note: The output voltage is not controlled and it depends on the load.

The maximum result is 18 kV and approx. 0.8 mA, therefore all experiments in the mid range of high-voltage are performable. The state of the batteries or the power supply is indicated at the 2-color LED (1). A green light means OK, if the light is red the batteries are to be switched or the power supply is to be checked.

Attention:

The high-voltage produced by this device can jump to the human body if it is not handled properly. Therefore the high-voltage power supply is not designed for student experiments. Since the device is battery driven, it can charge itself electrostatically .

Note:

The GND-bush (6) is to be grounded before each experiment. Before turning the device off, turn the output voltage to 0 (3) and wait until the display (2) is indicating 0. Always start to work with an output voltage of 0 and increase the output voltage slowly by turning the knob. Do not come too close to parts of the experiments while performing.

The device is supplied with power through 4 1.5V AA-batteries. If cells with a capacity of 3 Ah are used, a lifetime of about 10 hours is given to the batteries. If the device is not used for several months, the batteries should be removed from the device , to ensure that they are not damaging the device. The device can also be supplied with power by Mains transformer 6V/500 mA DC (P3120-6N).