

Technical data:

Output voltage:

0...24 V AC max. 6 A and

0...24 V DC max. 6 A

Ripple of DC voltage: < 1 Vrms at nominal load

(DC voltage is not stabilized)

Supply voltage: 230 V \pm 10% 50 Hz 200 VA

Fuses: 1 A inert 5x20 mm HBC and 125 mA inert 5x20 mm HBC

Housing: ABS with 2 handles

Dimensions: 260x217x150 mm

Weight: approx. 6 860 g

Important information:

The Variable Power Supply P3130-2C is a teaching aid and may only be operated under supervision of appropriately trained persons.

Due to its heavy weight, the device itself can be damaged if thrown or dropped or, depending on the situation, cause damage to people or objects. Careful handling is therefore always required!

There are no user-serviceable parts inside the appliance. The appliance may only be opened by qualified personnel. Disconnect the mains plug completely before opening the appliance.

If a fuse blows, it may only be replaced by a fuse of the same type, rated current and high breaking capacity HBC (ceramic tube with extinguishing agent). The use of glass tube fuses is generally not permitted for appliances operated with mains voltage.

As a result of an overload or short circuit, at least one of the three circuit breakers on the back of the appliance will drop out. In this case, switch off the appliance, correct the circuit and switch the corresponding circuit breaker back on as soon as possible. The protection levels are selected so that 6 A can be drawn continuously with AC voltage, and even more for very short periods. With DC voltage, on the other hand, tripping can occur after some time with a current draw of 6 A, depending on the tolerance of the corresponding circuit breaker.

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P3130-2C Variable Power Supply, 0 - 24V AC/DC, 6A



This Variable Power Supply is used for the stepless power supply of AC and DC up to 24 V and a maximum of 6 A. The output voltages are galvanically isolated from the mains supply. The super-bright, 26 mm high digital display makes the output voltage value easy to read from a distance of more than 10 meters.

All outputs are protected against overload by circuit breakers. The device does not emit any high-frequency electromagnetic interference.

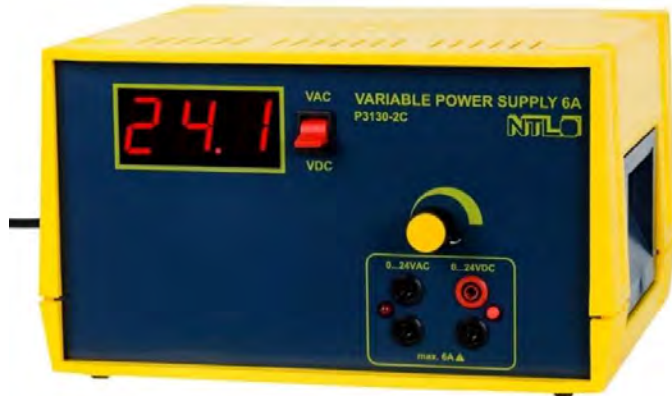
made in Europe



RiSU conform



User manual



Front side

Rotary knob for stepless adjustment of the desired output voltage

Two pairs of 4mm safety sockets for removing the output voltages (AC and DC)

Fundamentally, both types of voltage can be used simultaneously if

- the two consumers have no galvanic connection to each other
- the difference between the two voltages is acceptable
- the sum of the current consumption does not exceed 6A

Any type of cross-connection between the two pairs of sockets must be avoided and will cause at least one circuit breaker to drop out if the voltage is higher than zero

Super-bright LEDs for displaying the output voltage

Display accuracy: better than: ± 1 %

large selector switch for display of DC or AC voltage.

The red LED on one of the two pairs of sockets indicates which output is shown on the display



Back side

Three-pole plug for connecting the mains voltage using an IEC cable

Rocker switch for switching the device on and off

The three thermal circuit breakers protect against overcurrent and short circuits, also between the two output pairs.

Experimental note:

Voltage drops in the cables can be noticeable as significant measurement errors, particularly with higher current draw, especially if thin measuring cables are used. If higher demands are placed on measurement accuracy, the voltage values should therefore always be measured as close to the load as possible.

EMC

The device contains 3 transformers that are galvanically connected to the mains supply and emit correspondingly small-scale 50 Hz interference fields. Furthermore, the device does not contain any other inductive components or switching power supplies that would be capable of emitting high-frequency interference.