

P3120-1W MBI-AC converter

This device is used mainly in conjunction with the MBI-rechargeable battery 6 V/10 Ah magnetic P3120-1B, or MBI-fixed voltage transformer magnetic P3120-1N, for carrying out experiments in which variable, 50-Hz AC voltage able to be loaded moderately is required but no electrical outlet is available.

Note especially the connection to the MBI-rechargeable battery 6V/10A, since often no power outlet is conveniently available nearby when doing experiments on a magnet board.

The converter provides infinitely variable, sine-wave, 50-Hz AC voltage from 0 to about 12 Veff.

The maximum permanent load is 500 mAeff. Up to 800 mAeff can be drawn briefly. The current voltage output is shown on a digital display 26 mm high with 2½ decimal places.



Technical Data:

Power supply:	P3120-1N MBI-fixed voltage transformer or P3120-1B MBI-rechargeable battery, 6 V/10 Ah
Output:	4 mm safety receptacle, permanently protected against short-circuiting
Voltage display:	LED, digit size 26 mm Potentiometer for regulating the output voltage
Case:	Plastic, ABS
Dimensions:	approx. 160 x 120 x 45 mm
Weight:	approx. 540 g

With the L-shaped assembly platform P3120-4A (height: 240 mm) the MBI-AC-converter in connection with the MBI-rechargeable battery 6 V/ 10 Ah or MBI-fixed voltage transformer can easily be converted into a “table-model”.

