

# P3120-1G MBI-function generator

The main application for this device is in conjunction with either the MBI-rechargeable battery 6V/10 Ah P3120-1B, or the MBI-fixed voltage transformer magnetic P3120-1N, when carrying out experiments in which variable AC voltage (sinus, triangular, rectangular) with a variable frequency and of up to 4 V is required.

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

The maximum power is 4 Watts.

The current output frequency is displayed by the 26-mm high LED display.



## Technical Data:

Power supply:	P3120-1N MBI-fixed voltage transformer or P3120-1B MBI-rechargeable battery 6 V/10 Ah
Output voltage:	0 ... 4 V <sub>eff</sub>
Curves:	Sinus, triangular, rectangular
Frequency:	0,1 Hz to 100 kHz
Frequency display:	LED display, 5 decimal places, 26 mm
Overloading protection:	The voltage outlet is protected against short circuits and overloading. In the case of overloading the transformer switches off automatically under both kinds of voltage (electronic circuit breaker). In this case it is necessary to turn the power switch off and on again.
Dimensions:	approx. 160 x 120 x 45 mm
Case:	Plastic, ABS
Weight:	approx. 530 g

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

