Wirtum SPHERA™

Technical Description
v. 1.0.0.0
14 Jan, 2016

The short technical description of Wirtum SPHERA™

Wirtum SPHERA™ was designed for bioinformation therapeutic applications, especially for relieving stress and decreasing the effects of electrosmog.

Bioinformation therapy is a method, which applies its effects through facilitating the rhythm of the controlling signals of the biochemical processes in the organism. Interference occurs between the signals controlling biological systems and signals of the running program, which starts adapting and synchronising processes, and the operation of the organism harmonises.

The conceptual construction of the device

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Power
supply          ◄──►   μprocessor   ──►   Driver stage   ──►   Emitter
(data in/out)
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USB port   **External applicator** (optional)
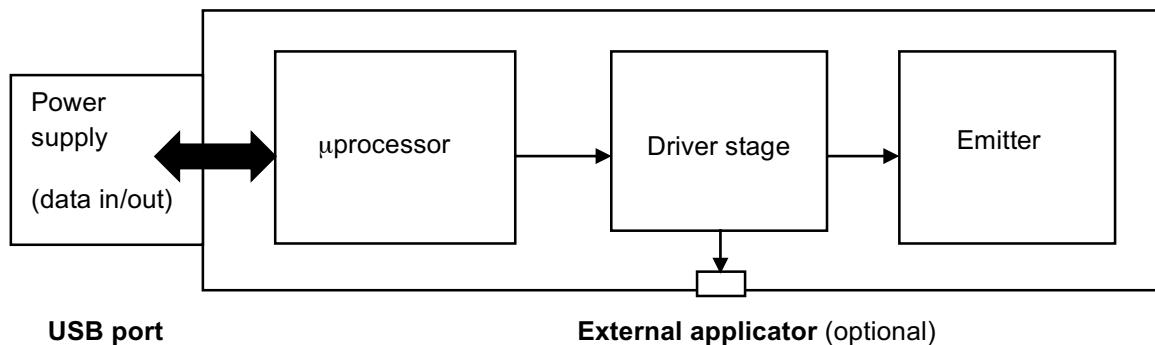
The signal generator with a microprocessor runs the program stored in its memory. The output signal of the processor drives the emitter through the impedance matching stage (driver).

The program runs until the device receives power supply.

The power supply modes of Wirtum SPHERA™

- From the USB port (laptop, PC, TV), when connected to other device

- From an accumulator charger in fixed / non-portable state

- In mobile /portable mode from an accumulator built-in the cap: after 2 hours of charging, the device can continuously operate for at least 12 hours

Technical specification of Wirtum SPHERA™

Screen	Two white LEDs, one on the front, one on the back
Emitting surface	Internal emitter panel
Principles of operation	Generation of a pulsating magnetic potential field based on the defined program
Frequency range	1 Hz – 100 kHz (-3 dB)
Output signal	Pulsating magnetic potential field, shape of the time function: square, duty cycle: 1:5
Power supply	USB or 5VDC/1A Adapter or Special Accu. Pack 3.6V/400mAh Li-Polymer
Charging time (Accu. Pack)	Max. 2 hours
Running time (between two charges)	Min. 12 hours (continuous use) without an external applicator
Operating temperature	+5°C - +40°C
Relative humidity	Max. 80%
Storage temperature	-20°C - +50°C
Dimensions	145 mm/100 mm x 29 mm x 14 mm (with/without accumulator)
Weight	50 g/32 g (with/without accumulator)

WIRTUM

WIRTUM BioKibernetikai Fejlesztő Bt.