

Ultrasonic generator UP03

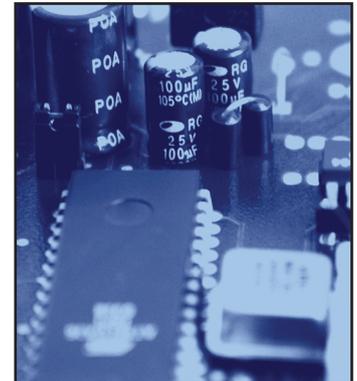


S PowerR product s.r.o.

Ultrasonic generators model UP03 are designed together with ultrasonic membranes for construction of ultrasonic cleaners. We offer two power versions of generators:

- 500W
- up to 1000W

Standard frequencies are from 25 kHz to 50 kHz. Generators can be a part of cleaning tank, or they can be mounted into distributor box. To achieve desired power it is possible to install more generators and membranes into cleaner.



Front panel with signalling LEDs

Front panel which contains five signalling LEDs and a potentiometer which can be used to regulate the output power of ultrasonic generator.



Ultrasonic generator UP03

Technical parameters

	500 W	1000 W
Ultrasonic power (effective)	500 W	do 1000 W
Input voltage	230 V / 50 Hz -15% +10%	
Standard operating frequency	25, 35, 40, 45, 50 kHz	
Other operating frequencies	After agreement with manufacturer	
Model	.01 power regulation with potentiometer .03 communication interface RS485	
Stability of power on output	2%	
Adjustment of SWEEP rate	from 10 Hz to 250 Hz (from manufacturer)	
Adjustment of SWEEP bandwidth	from 0 Hz to 1,5 kHz (from manufacturer)	
Range of power regulation*)	continuous mode from 60% to 100% period skipping from 30% to 60%	
Protection against short-circuit on load	yes	
Overheat protection	yes	
Automatic generator switch-off on load disconnection	yes	
Automatic restart on error	yes	
Operating temperature	from 0 °C to 40 °C	
Dimensions	350 × 155 × 85 mm	390 × 155 × 85 mm
Weight	3,30 kg	4,25 kg
Protection	IP 20	
Power on output indicator	LED bargraph	
Indication of power deviation on output beyond set tolerance	LED	
Overheat indicator	LED	
Error indicator	blinking LED	

*) Values are informative, exact setting is depending on specific load, voltage and other parameters.

