

# Microwave generator with adjustable signal - source

## MWG-850-AS

### Description

Pulse microwave generator is suitable for excitation of the head (MWG-850-H) with magnetron (output power 850 W). Pulse width of generator output voltage is adjustable in the range of 10-95% according to frequency rate. Frequency rate is fixed on assigned value.

Generator is placed in 19-inch rack - high 8U (354mm).

### Technical data:

• power supply	230V/ 50Hz (stability $\pm 5\%$ )
• power	1200W
• control voltage of the generator and head	230 VAC
• pulse width	10-95% according to switching rate
• switching repeated rate (fixed)	2,5 kHz, 5kHz, 15kHz, 20 kHz
• magnetron anode voltage	- 4kV
• type of protection	IP 20
• module dimensions W x H x D	427 x 175 x 460 mm
• external conditions according to ČSN 33 2000-3	standard workplaces
• operating temperature range	0 - +40°C
• control	local manual

### Optional accessories:

• control	external (UART, Ethernet)
• preregulator	
• external setting of pulse amplitude width	



FIG 1 Pulse microwave generator - remote control



FIG 2 Pulse microwave generator - manual control