Simmer Boards

Simmer supply is the device that strikes and maintains low-current discharge in the flashlamp in order to increase its lifetime and operation stability. SBZ-2008 and SBZ-3008 simmer supplies are powered by +24VDC source, whereas SCA-2008 and SCA-3008 simmer supplies are powerded by 230VAC. Simmer supplies include all the circuits necessary not only for maintaining of low-current discharge, but also for simmer ignition as well: the gas discharger for production of high voltage and high energy triggering pulse as well as the auxiliary 1400V open-circuit voltage supply. Ignition transformer is not included in simmer supplies and sold separately. Simmer current can be adjusted from 300mA up to 800mA with on-board potentiometer. In case of current interruption automatic restrikes with approximately 3Hz repetition rate start until the restoring of discharge. The simmer supply can be used in laser systems with serial or external triggering without any changes.

SBZ-2008

SCA-2008

SBZ-3008
SCA-3008

		SBZ-2008	SBZ-3008	SCA-2008	SCA-3008
Input	Voltage	24VDC	24VDC	230VAC 50/60Hz	230VAC 50/60Hz
	Max. input current	3.5A	5A	0.4A	0.5A
	Fuse			1A	1A
Output	Voltage (set automatically)	up to 200V	up to 300V	up to 200V	up to 300V
	Maximal output power	70W	100W	70W	100W
	Open circuit voltage	1400V (1500V on request)			
	Current	300-800 mA (500mA by default)			
	Efficiency	about 85%			
Flashlamp triggering	Voltage	1kV (other on request)			
	Pulse energy	approx. 150mJ			
	Restrike rate	approx. 3Hz			
Environment	Operation temperature	-20°C to +45°C			
	Storage temperature	-40°C to +85°C			
	Humidity	90%, non-condensing			
Other	Protections	short-circuit protection at the output open-circuit protection			
	Cooling	convective	built-in fan	convective	built-in fan
	Size (L x W x H)	152x68x38mm	178x81x57mm	152x68x38mm	178x81x57mm
	Weight	<0.2kg	<0.5kg	<0.2kg	<0.5kg