

Scalable Gun Signature Simulator - SGSS



SGSS 32 (operation mode)



SGSS 16 (operation mode)



SGSS 8 (operation mode)

Application:

To enhance realism during tactical training the possibility to simulate different weapon effects such as hostile and artillery fire, booby traps or a tank main gun, is needed. The SGSS enables the soldier to train under stress in force-on-force or force-on-target exercises by simulating direct or indirect fire and hits. It is also deployable in urban operation training as a scalable means to simulate detonation from bombs or IED.

Description:

The SGSS is a launcher available in 32, 16 and 8 shots version. It is using pyrotechnic cartridges from the MECS family (Multiple Effects Cartridge System) such as the MGSS, the FBSS, the airburst and the colour smokes simulators. By means of these cartridges the launcher delivers single shots, bursts or salvo firings and therefore provides realistic combat situations. It can be wirelessly initiated by an instructor as well as by hardware when connected to a trigger, a trip wire or a motion sensor.

Characteristics:

The effects characteristics depend on the cartridge configuration chosen. The firing sequence can be programmed by the user to meet the requirements. The effects available are those provided by the MECS cartridges (flash-bang-smoke and coloured smokes) which stay in the launcher until they are unloaded.

Specifications:

Dimensions: (length/width/height)	SGSS 32 = 405 x 225 x 135mm SGSS 16 = 285 x 225 x 135mm SGSS 8 = 155 x 130 x 135mm
Weight: (including battery)	SGSS 32 = 11.3kg SGSS 16 = 8.5kg SGSS 8 = 2.8kg
Battery:	SGSS 32 = Pb, 12V, 7200mAh SGSS 16 = Pb, 12V, 7200mAh SGSS 8 = 2 pcs. Li-ion 9V-650mAh
Operating time:	up to 120h with battery
Power supply:	Ext 12 V — 32 V DC
Power consumption:	20 mA (Standby)
Peak power:	3.5 A per round (max. 300 ms)
Safety delay time:	30 seconds
Safety warning signal:	acoustical and optical
Temperatures:	Storage -33°C to +71°C Operation -30°C to +49°C (ext. Power supply)
Service interface:	RS 232 / charging
Operational interface:	Trigger input (5-36V DC): 20mA READY-TO-FIRE-OUT Radio (433MHz/315MHz/458MHz) 2 x RS 485 (daisy chain) Ethernet (prepared) CAN Bus (prepared) NETS M30/M31
Ammunition type:	NATO Stock Numbers:
Product Codes:	—
SGSS 32: 9218400	—
SGSS 16: 9218300	—
SGSS 8: 9218500	—
Packaging:	Optional as per customer requirement