



LASER AMMO

TRAINING TECHNOLOGIES

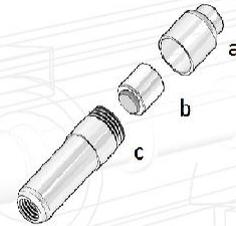
SureStrike™ Laser Emission Datasheet

Description

SureStrike laser cartridge is an electronic laser based training aid used to simulated the point of impact of a bullet while practicing without bullets - "dry fire". This device is placed into the weapon's chamber⁽¹⁾ and will emit a momentary laser pulse at the aiming point when activated by the hit of the firing pin.

The Laser Ammo SureStrike has three primary parts:

- a. Controller Cap
- b. Battery
- c. Laser module assembly



1. The length of the pulse and max number of pulses per second are controlled and limited by the embedded microcontroller in the controller cap. The device architecture enables the use and replacement of "controller caps" which may have different microcontroller settings enabling different functionality as described in table 1.1

Controller Cap Name	Illumination time	Max times per second	Max Duty cycle
Target Activator	25ms	5	12.50%
Digital Boresight	1.7ms	100	17%
Extra Duration	50ms	3	15%

* Table 1.1

2. Laser module assembly specifications

Parameter	Min	Typ	Max	Unit	Drawing
Optical Power	3.3	3.5	4.0	mW	
Operating Voltage	-	3.0	-	V	
Operating Current	-	26	40	mA	
Wave length at peak Emission	640	650	660	nM	
Operating Temp Range	-10	+25	+50	°C	
Storage Temp Range	-20	-	+80	°C	
Beam Size at 1m	-	-	9X14	mm	
Boresight at 1m	-	-	2.0	mm	
MTTF	-	10000	-	HRS	

(1) SureStrike cannot be used as a shooting aiming device or laser pointer.