NITECORE®
ALL-ROUND Flashlight Expert

SENS AA2 User Manual

Features

- CREE XP-G (R5) LED
- Maximum output of up to 170 lumens
- Highly effective current circuit board
- High efficiency circuit enables maximum runtime of up to 37 hours
- 3 presetted brightness levels
- Active dimming system with auto-adjust function
- Soft turn-on mode and low illumination for everyday usage
- Integrated reverse-switching
- Reverse polarity protection
- Equipped with integrated lens
- Constructed from aerospace grade aluminum alloy
- Type III military grade hard anodizing
- Special-made rhombic knurling for better grip
- Waterproof in accordance with IPX-8 (2 meters submersible)
- Tail stand ability

Dimensions

Length: 146.5mm (5.77")
Head Diameter: 19.8mm (0.78")
Tail Diameter: 19.3mm (0.76")
Weight: 46g (1.62oz)(without battery)

Accessories

Key chain, spare plastic cap, spare O-ring

Battery Options

	SIZE	Nominal voltage	Usability
Primary AA battery	AA	1.5V	Y (Recommended)
Rechargeable AA battery	AA	1.2V	Y (Recommended)
Primary AA Lithium battery	L91	1.5V	Y (Recommended)
Primary LiFePO4 battery	14500	3.2V	N (Banned)
Rechargeable Li-ion battery	14500	3.7V	N (Banned)

Brightness & Runtime

FL1 STANDARD	HIGH	MID	LOW
	170 LUMENS	50 LUMENS	20 LUMENS
	3h	11h 30min	37h
	69m (Beam Distance)		
	1200cd (Peak Beam Intensity)		
	1.5m (Impact Resistant)		
	IPX-8, 2m (Waterproof AND Submersible)		

NOTICE
Stated data has been measured according to the international flashlight testing standards ANSI/NEMA FL1 using two high quality AA Ni-Mh rechargeable batteries (1.2V, 2400mAh) under laboratory conditions. The data may vary due to individual usage habits and environmental conditions.

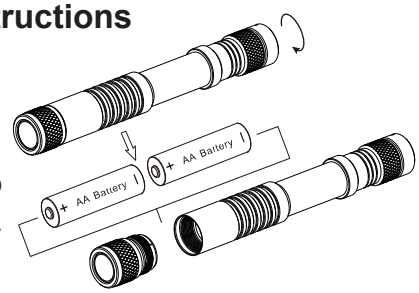
NITECORE (SYSMAX) is a member of PLATO, participating in and helping to develop the ANSI FL1 standard of measurement. Product testing data is in accordance with these internationally recognized scientific standards.

Operation instructions

Battery installation

Insert two AA battery or other compatible batteries

WARNING
Always ensure batteries are inserted with the positive (+) ends pointing toward the flashlight head. If incorrectly installed, the flashlight will not work.



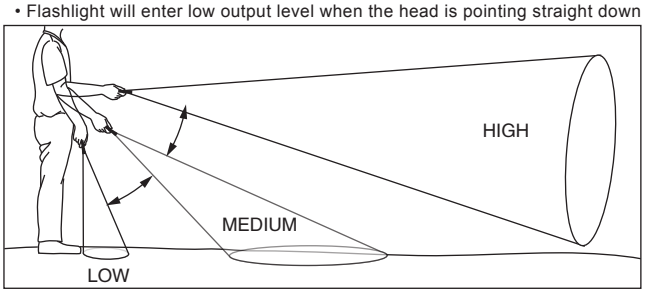
ON/OFF

Switch ON: Press the button on the tailcap until a "click" is heard.
Switch OFF: Press the button on the tailcap a second time until a "click" is heard.

Brightness Control

When the flashlight is turned on from off:

- Flashlight will enter high output level when the head is parallel to the floor
- Flashlight will enter medium output level when the head is at 45 degrees
- Flashlight will enter low output level when the head is pointing straight down



Notes:

1. Each time you turn on the flashlight, the SENS AA2 built-in acceleration sensor can detect the angle and switch to the appropriate brightness level
2. Each time you access to the low or medium brightness level, the flashlight will be turned on slowly.
3. After the light is powered on, the sensor will shut off to avoid brightness changing when the user changes the flashlight angle.

Active Dimming Technology

With the flashlight switched off, turn on the light with the head pointed straight up. The light will access the active dimming function immediately. An acceleration sensor is built in the SENS AA2 flashlight, which can continuously detect the angle of the light and work with the light's mirco-processor to select the appropriate output. For example, when it detects a horizontal position, the built-in mirco-processor will assume a higher output is appropriate and increase output to illuminate a longer distance. When it detects a vertical position, mirco-processor will decrease output so to save battery life, extending runtime of SENS up to 5-8 times.

Notes:

1. When the flashlight switches from low to high level, the output will increase momentarily, allowing the user to observe distant targets.
2. After the flashlight switches from low to high level, the brightness will decrease slowly to allow the user's eyes to adapt.

Maintenance

Clean the threads twice a year with a clean cloth and coat with silicone grease.

Warranty Service

All NITECORE® products are warranted for quality. DOA / defective products can be exchanged for replacement though a local distributor/dealer within the 14 days of purchase. After 14 days, all defective / malfunctioning NITECORE® products will be repaired free of charge for a period of 18 months from the date of purchase. After 18 months, a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts. The warranty is nullified in all of the following situations:

1. The product(s) is/are broken down, reconstructed and/or modified by unauthorized parties.
2. The product(s) is/are damaged through improper use.
3. The product(s) is/are damaged by leakage of batteries.

For the latest information on NITECORE® products and services, please contact your national NITECORE® distributor or send an email to service@nitecore.com

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SYSMAX Ind.
SYSMAX Industry Co.,Ltd.
TEL: +86-20-83862000
FAX: +86-20-83882723
E-mail: info@nitecore.com
Web: www.nitecore.com
Address: Rm1407-08, Glorious Tower, 850 East Dongfeng Road, Guangzhou, China 510600

Thanks for purchasing NITECORE!