

Frontside



User Manual

SD03 4-Colour Dive Beacon

PRODUCT INTRODUCTION

The OrcaTorch SD03 is a compact and multifunctional 4-colour dive beacon. It can emit light in 4 different colours and has 8 lighting modes: for each colour either constant light or flashing mode. Both colour and light mode can be chosen by rotating the body. The SD03 can be used as an underwater or outdoor signal light, dive backup light, outdoor regular light, etc. Its shell is made of plastic which provides good light penetration. With excellent waterproofness, it will function up to 150m underwater. There is no doubt that the SD03 is one of the best choices for diving or outdoor lighting.

PRODUCT FEATURES

- ✓ 4 single colours and 8 modes integrated in one light
- ✓ Compatible with 1*AA battery or 1*14500 battery
- ✓ Non-slip and comfortable silicone ring with lanyard
- ✓ The tail D-ring can be used more easily with lanyard
- ✓ Practical and convenient mode memory function
- ✓ Plastic transparent shell with enhanced light guide performance

- ✓ Professional waterproof design, depth rated to 150 meters underwater
- ✓ Reverse polarity protection, to protect the light from improper battery installation
- ✓ Aircraft-grade high-strength aluminum AL-6061-T6 used with type III military grade hard anodization technology

INSIDE THE BOX

SD03x1, AA batteryx1, Lanyardx1, User Manualx1.

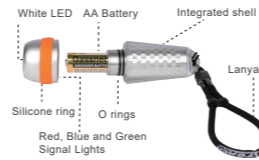
Note: The 14500 battery is not included in the box. If you need the 14500 battery, please buy it yourself.

SPECIFICATIONS

Notice: Stated data has been measured according to the international flashlight test standards ANSI/NEMA FL1 using one OrcaTorch 14500 Li-ion battery (3.7V, 900mAh) or 1*AA battery (1.5V, 1800mAh) under laboratory conditions. The parameters are approximate and may vary between flashlights, batteries and environments.

ANSI/NEMA FL1	光 Output		运行时间 Runtime	
Battery Type	14500	AA	14500	AA
White	100 lm	50 lm	3Hr 30mins	3Hr 10mins
White Flash	100 lm	50 lm	6Hr 30mins	5Hr 30mins
Red	1 lm	0.5 lm	62Hr	95Hr
Red Flash	1 lm	0.5 lm	120Hr	250Hr
Blue	1 lm	0.5 lm	62Hr	120Hr
Blue Flash	1 lm	0.5 lm	120Hr	220Hr
Green	1 lm	0.5 lm	62Hr	120Hr
Green Flash	1 lm	0.5 lm	120Hr	220Hr
Max Intensity	14500	280cd	AA	600cd
Beam Distance	14500	48m	AA	33m
Waterproof	Underwater 150m			
Impact Resistant	1.5m			
Dimension	30.5mm (Head Dia) 76.15mm (Length) 1.2in (Head Dia) 3in (Length)			
Net Weight	50g/1.76oz(excluding battery)			

PRODUCT PICTURE



BATTERY INSTALLATION

The battery assembly direction is shown in the figure.



Note: The supplied AA battery is not rechargeable. If you need a rechargeable lithium 14500 battery, please buy it yourself.

OPERATION INSTRUCTION

ON/OFF
Insert the battery and tighten the tail to turn on the SD03.

Mode Selection

After the light is switched on, loosen and tighten the tail to switch modes among white, white flash, red, red flash, blue, blue flash, green, and green flash in sequence.

MEMORY FUNCTION

The mode will be memorized if it has worked for more than 3S. The light will start from this mode by default when turned on the next time.

USAGE AND MAINTENANCE

- ✦ Please clean the surface of the light with fresh water and wipe it dry after use in case of the seawater corrosiveness.
- ✦ Do not drop or place the light on sand in case iron sand stick or go into switch section or screw thread.
- ✦ Tighten all the connections of the light before going underwater.
- ✦ Please take out the batteries after each diving.
- ✦ Please don't disassemble the sealed head, doing so may cause damage to the flashlight and will void the warranty.
- ✦ We recommend the use of high quality batteries. If the flashlight will not be used for a long time, remove the batteries to avoid damage from electrolyte leakage or battery explosion.

Reason A: The batteries need to be replaced. Solution: Replace batteries (Please confirm correct installation of + and - terminals). Reason B: The threads, PCB board contact or other contacts are dirty. Solution: Clean the contact points with an alcohol soaked cotton swab. If the methods above don't work, please contact the distributors and refer to the warranty policy.

USAGE AND MAINTENANCE

We will replace products affected with manufacturing defects within 30days of purchase and repair a light free of charge within 12 months of purchase if problems develop under normal use; if repair is required after 12 months from the date of purchase, we will charge for parts. The total repair fee is dictated by the cost of the replaced materials.

Please register your OrcaTorch products through official website www.orcatorch.com to get extra 1 year warranty.

warning

The flashlight is high intensity lighting device and capable of causing eye damage, please avoid shining the light directly into the eyes.

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Backside



使用说明书

SD03 四色潜水信号灯

产品介绍

OrcaTorch SD03 是一款实用且小巧的四色潜水信号灯, 4种颜色光源和8种模式集合一体, 可通过旋转筒身切换, 防滑舒适的硅胶圈使得操作更方便。SD03可应用于水下信号灯、潜水备用灯、户外信号灯、户外照明等各种场景。透光外壳由塑料一体制成, 具有更好的透光性和导光性。优良的防水性能IP68, 即使在150m的深水下也能正常运行和工作。SD03是潜水或户外活动的优选之一。

产品特点

- ✓ 4种颜色光和8种模式集合一体
- ✓ 专业抗压防水结构设计, 潜水深度达150米
- ✓ 兼容一节 AA 电池或一节 14500 电池
- ✓ 筒身采用一体式塑料透明外壳, 可从各个角度透光
- ✓ 增强导光性能的塑料透明外壳
- ✓ 防滑舒适的硅胶圈, 使得操作更易
- ✓ 实用且方便的档位记忆功能
- ✓ 产品尾部D环可系上挂绳, 使用更加方便
- ✓ 反极性保护功能, 防止因电池反接对电路的损害
- ✓ 采用高强度航空级铝材AL-6061-T6, 表面军规三级硬质阳极氧化抗磨处理

包装内容

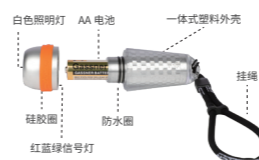
SD03x1, AA 电池x1, 手绳x1, 使用说明书x1
注: 包装内不含14500电池, 如需14500电池请自行购买。

技术参数

注: 以下参数按照国际手电筒测试标准 ANSI/NEMA FL1所述测量方法, 使用一节 AA 电池 (1.5V, 1800mAh) 或一节 14500 (3.7V, 900mAh) 在实验室环境中测试所得。测试参数为近似值, 可能会随着手电、电池和使用环境而发生变化。

ANSI/NEMA FL1	亮度		续航时间	
电池类型	14500	AA	14500	AA
白光	100流明	50流明	3小时 30分钟	3小时 10分钟
白光闪	100流明	50流明	6小时 30分钟	5小时 30分钟
红光	1流明	0.5流明	62小时	95小时
红光闪	1流明	0.5流明	120小时	250小时
蓝光	1流明	0.5流明	62小时	120小时
蓝光闪	1流明	0.5流明	120小时	220小时
绿光	1流明	0.5流明	62小时	120小时
绿光闪	1流明	0.5流明	120小时	220小时
最大光强	14500	280坎德拉	AA	600坎德拉
最远射程	14500	48米	AA	33米
防水等级	IP68 (水下150米)			
防跌落高度	1.5米			
尺寸	30.5毫米(筒头) 76.15毫米(筒长) 1.2英寸(筒头) 3英寸(筒长)			
净重	50克(不包括电池)			

产品图片



电池更换

电池装配方式如下图所示



注: AA电池不可充电循环使用, 如果你有使用14500电池的需求, 另请自行购买。

操作说明

开关
插入电池后, 拧紧筒头和筒身即可开机。
改变模式
开机后, 通过旋转筒身切换模式, 将会按照

"白-白闪-红-红闪-蓝-蓝闪-绿-绿闪"的顺序循环。
记忆功能
处在任何模式下超过3秒, 模式将会被记忆, 下次开机时会默认从记忆模式开始循环。

使用与维护:

- ✦ 由于海水具有腐蚀性, 请在使用后用淡水冲洗手电表面, 并擦干水份。
- ✦ 请勿将手电放在沙地上, 以防止细沙进入手电开关或螺纹缝隙。
- ✦ 拧紧筒头所有连接处后方可入水。
- ✦ 每次潜水后将电池取出。
- ✦ 请勿拆卸灯具头部密封部件, 否则将会导致密封失效并可能损坏灯具。
- ✦ 请使用优质电池, 并且当长期不用灯具时将电池从灯具中取出, 否则可能因电池漏液或者爆炸, 造成灯具损坏。
- ✦ 长期使用后, 灯具的O型圈可能受到损坏。
- ✦ 如果发现了这种情况, 请您更换O型圈以维持手电的防水性能。为保持O型圈(密封胶圈)及螺纹旋动顺畅, 请定期在其表面涂抹硅脂润滑。
- ✦ 请经常清洁灯具的导电接触面以保证灯具的正常工作, 特别是当灯具出现异常的闪烁或者无法点亮的时候。以下是几个可能导致灯具出现异常的闪烁或者无法点亮的

原因:
原因一: 电池电量不足, 需要更换。
解决方案: 更换电池 (装入新电池时请注意正负极方向)
原因二: 螺纹或者PCB板的导电接触面或其他接触面/触点被弄脏了。
解决方案: 用酒精棉签清洁导电接触面或触点。
如果上述方法无效, 请联系经销商并按照售后服务条款保修。

保修条款:

一、30天包换期: 本产品自售出之日起30天内, 在正常使用情况下, 出现产品质量问题, 客户可选择维修服务或者更换同型号同规格的新品。如同型号同规格的产品停止生产或因其他原因不能在合理时间内安排更换, 则调换不低于原产品性能的同品牌产品。
二、1年免费保修期: 本产品自售出之日起1年内, 用户在正常使用情况下, 出现产品质量问题, 则享受免费维修服务。因使用不当或擅自改装、维修而引起的产品缺陷、损坏, 不在保修范围内。
三、终身有限保修: 在超过1年免费保修时间外, ORCATORCH将提供有偿维修服务, 费

用以实际更换材料费用为准, 不另收取人工费用。
四、消费者保修时凭ORCATORCH《保修卡》、购物发票或收据、网上购物时销售商提供的销售凭证与经销商联系, 由经销商对消费者提供服务, 我公司将对经销商提供服务支持。

请通过官方网址www.orcatorch.cn注册您的产品以获得1年延保。

警示:

本产品亮度极高, 请勿直视发光体, 以免造成视力损伤。

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