

取扱説明書
INSTRUCTION BOOK

SUNPAK *GT3*

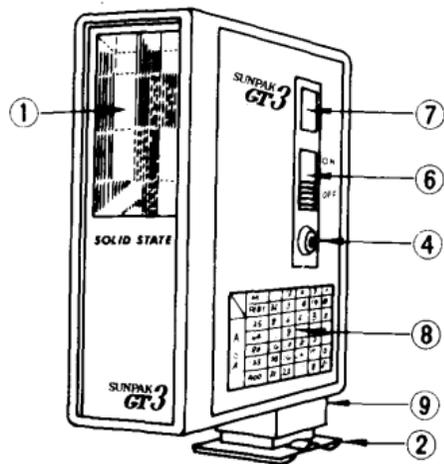
SOLID STATE ELECTRONIC FLASH UNIT

サンバックDC3性能表

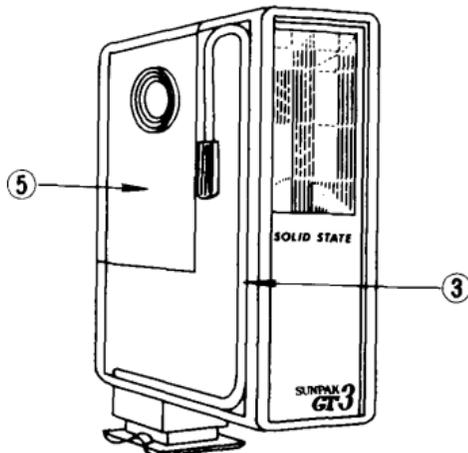
ガイドナンバー	16 (ASA100/カラー)
電 源	単 3 型電池 2 本
発光間隔及 発光回数	アルカリマンガン乾電池 最短 4 秒、200 発 ニッカド電池 最短 4 秒、90 発 一般単 3 乾電池 最短 5 秒、40 発
閃光時間	1/2,000 秒
光 質	デイライトタイプカラーフィルムに最適
照射角度	60 度
重 量	120 gr (電池別)
寸 法	97×57×29mm
価 格	1 セット ￥4,900 <ケース付> 応用部品 ニッカド電池 2 本 ￥1,000 同 充 電 器 ￥1,600

SPECIFICATION

Weight:	approx. 4 ozs.
Light Covering Angle:	60
Color Quality:	suitable for daylight type color film.
Flash Duration:	1/2,000 th second.
Recycling Time:	a) 5 - 8 seconds with zinc/carbon. b) 4 - 8 seconds with alkaline.
Power Source:	2 standard penlite batteries - zinc/carbon, NiCd Rechargeable. manganese alkaline or mercury batteries.
Flash capacity:	a) more than 40 flashes with zinc/carbon. b) more than 200 flashes with alkaline. c) more than 90 flashes with NiCd.
Guide Number:	28 (in feet) for ASA 25. 8 (in meter) for DIN 15. 56 (in feet) for ASA 100. 16 (in meter) for DIN 21.



- ① 発光窓
- ② シュークリップ
- ③ シンクロコード
- ④ 充電ソケット
- ⑤ 電池蓋



- ⑥ ON-OFFスイッチ
- ⑦ ネオンランプ
- ⑧ 露出表
- ⑨ 発光テストピン



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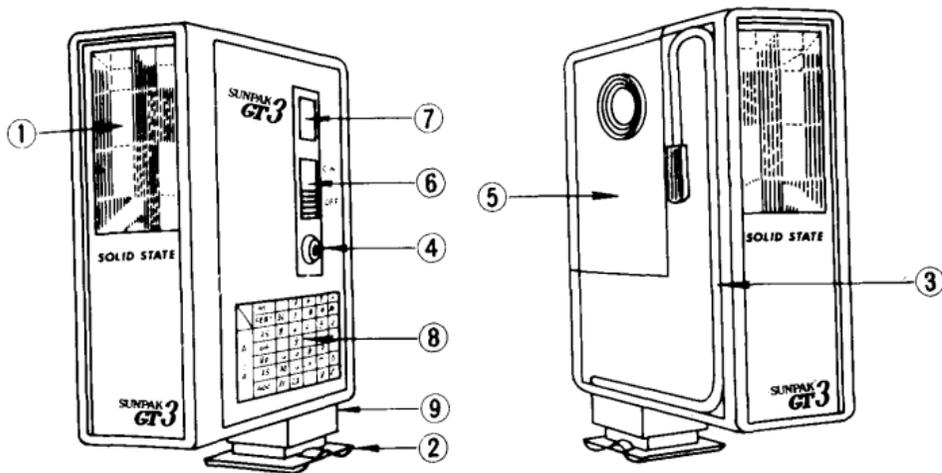
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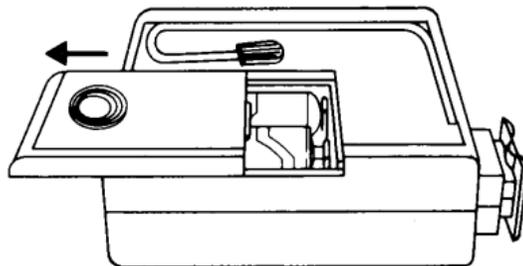


- ① Lenticular flash window.
- ② Slip on shoe attachment
- ③ PC synch-cord
- ④ Battery charge socket.
- ⑤ Battery compartment lid.

- ⑥ ON-OFF switch
- ⑦ ready lite.
- ⑧ exposure index.
- ⑨ flash test pin.

①電池の入れ方

電池蓋は図示の矢印の方向に
スライドさせるとはずれます。
2本の電池を図示の配列で入
れてください。



②カメラの取付方

ストロボをカメラのアクセサリシューに差しこみ、シンクロコードを
カメラのX接点に差しこみます。X以外の接点では同調しませんからご
注意ください。

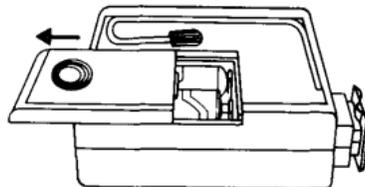
ATTACHING TO CAMERA AND TO SHUTTER

Mount unit on camera by sliding shoe attachment into camera accessory shoe.

With unit securely mounted on camera, plug PC end into flash terminal on camera.

NOTE: Make certain that your camera shutter is set for (X) synchronization, and at a shutter speed recommended for electronic flash. If several are recommended, use the one of shortest duration.

However, shutter speed has no bearing on exposure or stop-action effectiveness. Both are determined by the 1/1000 the sec. flash duration.



INSTALLING BATTERIES

Open battery compartment by pushing back the the lid. Compartment holds 2 penlite batteries. Insert batteries with relation to (+) and (-) as shown on unit.

NOTE: It is advisable to remove batteries where unit will not be used for extended period.

BATTERY OPERATION

Slide ON/OFF switch to ON position. You will hear a sustained high-pitch "beep" indicating that the unit is in operation. When the ready light begins to glow, the flash unit is ready to be fired.

③操作の仕方

ON—OFFスイッチをONにします。ネオンランプが灯けば発光準備完了です。これでシャッターをきれば発光します。尚事前に発光テストする場合は図示の様にシンクロコードの先端を発光テストピンでショートさせてください。

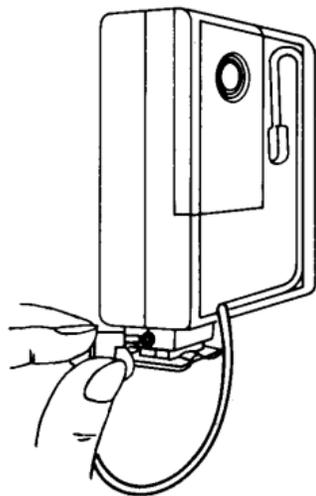
④露出のきめ方

絞りは露出表から簡単に読みとれます。例えばASA100のフィルムでは1mのとき $f=16$ 、4mのとき $f=4$ になります。

⑤シャッタースピードのきめ方

ご使用中のカメラがレンズシャッター式であればどのシャッタースピードでも同調します。 $\frac{1}{10}$ 秒でも $\frac{1}{600}$ 秒でも同じです。

フォーカルプレーン式シャッターの場合は一般に $\frac{1}{60}$ 秒以下の速度でないと同調しません。しかしスクエア式シャッターでは $\frac{1}{125}$ 秒迄同調しますので各カメラの説明書をごらんください。



OPEN FLASH TEST

As for the open flash test, contact the top of the synchro cord to the flash-test-pin, as shown right, and you can fire it.

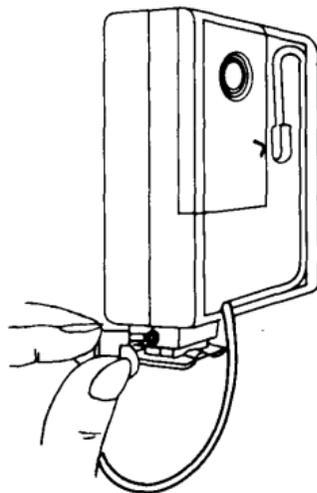
DETERMINING EXPOSURE

The correct lens aperture will be found on the guide table adjacent to the distance from the unit to the subject.

If, for example you are using ASA 25 film, photographing a subject 10 feet away, this indicated lens aperture would be f 2.8.

Another method to obtaining the correct f stop is the use of film guide numbers.

Dividing the guide number by the subject distance gives the numerical value of the f stop to be used. In the above example, using ASA 100 film the guide number would be 56. At 10 feet, the aperture would then be $56 \div 10$, or f 5.6.



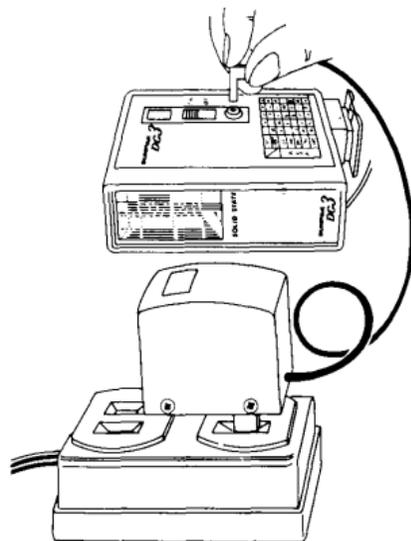
ニッカド電池の使い方

市販されている乾電池は使い捨てですがニッカド電池は何回でも充電出来るので便利です。

充電の仕方

ニッカド電池を電池室に入れ、充電器を図の様にストロボの充電ソケットと電灯線につなぎます。スイッチはOFFのままです。14—16時間で充電は完了します。充電時間はオーバーしても差しつかえありません。

価格 ニッカド電池2本 ￥1,000
充電器 ￥1,600



RECHARGING NICKEL-CADMIUM BATTERIES

Use the accessory charger attachment available at your camera dealer. Slip the tip of the cord into the "Charge" receptacle on the side of the SUNPAK DC-3 flashhead and insert the two prong plug into your AC outlet.

A full charge requires 14 to 16 hours. You can check the battery charge at the end of that period by disconnecting the charger cord and switch to battery operation, then firing the unit by means of the flash test pin and observing the recycling time. If the ready-light glows again less than 8 seconds later, the batteries are fully charged.

NOTE: Do not store the unit with fully discharged batteries inside. Give it a full charge before storing for 4 weeks or more, and recharge for 2 to 4 hours every 4 weeks when used infrequently or stored.

