

EXAKTA ELECTRONIC FLASH UNIT



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The Exakta Electronic Flash unit is a dependable source of light contained in a light-weight, portable and compact leather case. It is as effective as any other type of light source. It is daylight quality, even, cool and dependable.

In Electronic Flash, there are a few variables which control the light on the subject—they are, the aperture of the lens, the speed of the film, the developer used in processing the film and the distance of the light to the subject. It is the intensity of the flash of light from the electronic flash tube which takes the picture with electronic flash, not the shutter speed. Now, since the electronic flashlight which reaches the subject has to record on film, the Exakta shutter curtain must be wide open. Accordingly, the shutter speed setting on the Exakta should be set on either 1/25th or 1/50th of a second for on these two speeds the Exakta shutter curtains are at their largest or widest opening. The X socket on the Exakta camera must be used at all times with electronic flash units!

Here are some points that you may want to know about the Exakta Electronic Flash Unit:

1. Color of light... Daylight Quality—approx. 5500° Kelvin—can be used with daylight color film.
2. Coverage of reflector... 50°.
3. Recycle time... Approx. 4 seconds AC line.
4. Flash Speed... 1/1000th second.
5. Life capacity of Flash tube... Approx. 50,000 flashes.
6. Operation... either with 3-“D” cell batteries for 50 to 60 flashes (with each set of batteries) or with AC line operation (plug into your wall socket) for continuous flashes.

To Operate your Electronic Flash Unit

Attach the universal mounting bracket to your Exakta camera. Slide the light beam reflector into the shoe of the bracket. Plug the 3 prong plug into the socket on the side of the battery case. The tip of the coiled cord is placed into the X socket on the Exakta camera.

With AC Electric Current

Plug the AC line cord into the socket

of your electronic flash unit located on the side of the leather carrying case. Then plug the other side of the AC line into the room socket of the AC electric current in the wall. Be sure the button on the side of the leather carrying case is in the “downward position”.

With Batteries

Inside of the leather carrying case is a folding leather compartment which

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holds 3-“D” cell batteries. Be sure that all the batteries in this compartment face the same direction (so that you can read the label). Place this leather compartment into the leather carrying case and close the top. Be sure that the red and blue wires from the compartment are tightly attached to the terminals. **Reminder:** The 3-“D” cell batteries should be fresh, otherwise you cannot expect good efficient results! Eveready E 95 “D” cell batteries will give better and more consistent results than most “D” cell batteries. When using the battery pack as an energy source, be sure the button on the leather case is in the “up” position. The button should always be in a “downward” position at **all other times!** When the battery pack is “on” and working with batteries, you will hear and feel a slight buzzing indicating that the vibrator is working.

Indicator Light

On the back of the reflector is an indicator lamp which lights up when the unit is ready to be flashed. It will light up quickly when you use the AC line. It will be much slower with the battery pack.

Red Flasher Button

On the back of the reflector is a red button which when pressed will fire the flash tube. This method of firing can be used for open flash on “time” or “bulb”—or when you want to use the electronic unit for “fill-in” light.

Guide Numbers

On the back of the reflector is a table engraved with Din, ASA, L.Z. and G.N. We will only concern ourselves with ASA and G.N. The ASA number stands for the speed of the film being used with the Electronic flash. G.N. stands

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for Guide Number. For example, a film having an ASA speed of 40 has a Guide Number of 102. Likewise, a film having a speed of ASA 100, has a Guide Number of 165. This is only for Black & White film. For Kodachrome, which has an ASA speed of 10, the Guide Number is 35. By dividing the distance into the Guide Number, you get the diaphragm stop to use.

Your Own Set of Guide Numbers

Guide Numbers are based upon many variables which depend upon your equipment and techniques. Accordingly, you can make your own set of Guide Numbers by doing the following:

Make a series of exposures with your subject about 6 feet from the flash from the electronic tube. Use our Guide Numbers as the basic exposure. Make a few more shots—some using a higher Guide Number than ours, and a few lower. Examine the negatives or transparencies, and make your

own Guide Numbers depending upon the exposures that satisfy you. To get your own Guide Number, multiply 6 (for 6 feet) by the aperture setting.

Battery Rechargers

A battery recharger which recharges the "D" cells is available on special order.

Ring Light:

A new Ring Light Unit containing a circular light tube for close-up photography is available at \$39.50 list. The Ring Light unit mounts on camera lens for macro-work, and plugs into Exakta Electronic Flash Unit. Is instantly removable and interchangeable with regular light furnished with Exakta Electronic Flash Unit.

Nickel Cadmium Battery:

A new Nickel Cadmium Battery is now available for Exakta Electronic Strobe Unit. Price on request.

EXAKTA CAMERA COMPANY

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