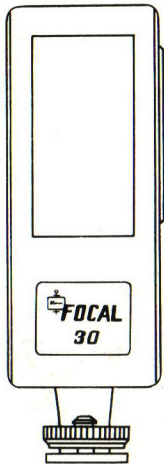


# WILSONWERKS ARCHIVES

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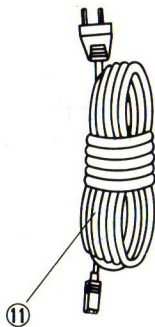
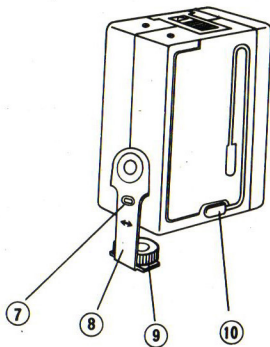
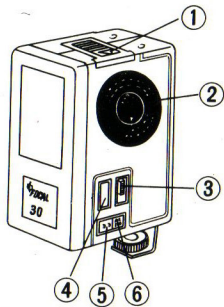
# ***FOCAL 30***

OWNER'S MANUAL

# FEATURES

- Guide Number : 34 (ASA 25 in feet )
- Coverage Angle : 55° horizontal ; 65° vertical
- Color Temperature : Perfectly adapted for daylight type color film
- Flash Duration : 1 / 3,000sec.
- Power Source : Two 1.5V penlight batteries (AA-size ), either manganese or alkaline, or AC household current (Adjustable to either 100-120V or 220-240V range through switching of the built-in voltage selector )
- Recycling Time : 7-10 sec. on alkaline batteries  
8-10 sec. on manganese batteries  
3- 6 sec. on 100-120V AC  
3- 5 sec. on 220-240V AC
- No. of Flashes : 200 flashes per replacement of alkaline batteries  
50 flashes per replacement of manganese batteries
- Dimensions :  $3 \frac{5}{16}'' \times 1 \frac{1}{4}'' \times 2 \frac{1}{2}''$
- Weight : 6 oz.

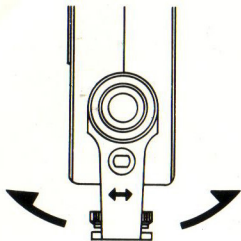
# DESCRIPTION OF PARTS



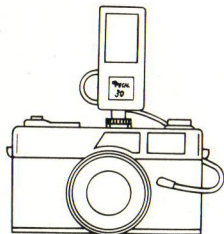
1. Battery Compartment Lid
2. Exposure Computer Dial
3. AC / Bat Switch
4. Open Flash Button (Circuit Tester )
5. AC Socket
6. Voltage Selector

7. Neon Ready Lamp
8. Clip-on Shoe
9. Thumbscrew
10. PC Cord
11. AC Cord

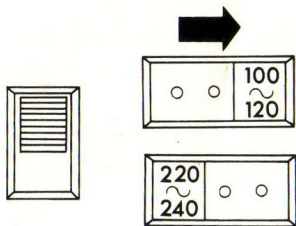
# HOW TO MOUNT THE UNIT



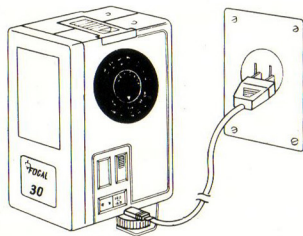
1. Turn the Clip-on Shoe ( 8 ) in the direction of the arrow to adjust the unit for either vertical or horizontal positioning on your camera.
2. Slide the Clip-on Shoe ( 8 ) into the accessory clip of your camera and turn the Thumbscrew ( 9 ) in a right motion to fix the unit securely on the accessory clip.
3. Plug the PC Cord ( 10 ) into the “X” contact of your camera.



## AC OPERATION

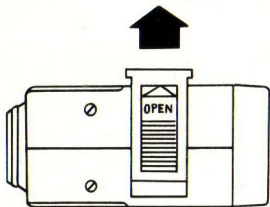


1. Set the Voltage Selector ( 6 ) so that it shows a voltage indication of either "100~120V U.S. SETTING" or "220-240V", whichever matches the line voltage range in your territory.
2. Shift the AC / Bat Switch ( 6 ) to the black ( AC ) setting.
3. Plug one end of the AC Cord ( 11 ) into the AC Socket ( 5 ) of your unit and the other end into a wall outlet.



When thus connected, the Neon Ready Lamp ( 7 ) will turn on within a matter of several seconds to indicate that the unit is ready for action. Then, adjust the lens aperture and shutter speed according to instructions given later, and trip the shutter.

## DC ( BATTERY ) OPERATION



1. To open the Battery Compartment Lid (1), slide it in the direction of the arrow as shown in the illustration.
2. Install two penlight batteries by referring to the polarity diagram imprinted inside the battery compartment.
3. Shift the AC / Bat Switch (3) to the red (Battery) setting. You will then hear a faint whine indicating that the capacitor is being charged properly and the Neon Ready Lamp (7) will turn on within a matter of several seconds.

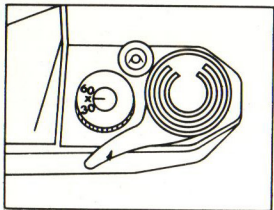
Now, your unit is ready for triggering. Adjust the lens aperture and shutter speed of your camera and trip the shutter.

- ★ To conserve battery power, test-fire the few shots of your new unit on AC household current by connecting it to a wall outlet.
- ★ If your unit requires more than one minute before the Neon Ready Lamp (7 ) turns on, or if the faint whine indicating proper charging of the capacitor cannot be heard, it means that the battery power has been exhausted and, therefore, battery replacement is necessary.
- ★ Make it a rule to reset the AC / Bat Switch (3 ) to the black (AC ) setting each time after using your unit. This will effectively prevent battery power drain and will enable you to obtain the maximum number of flashes per battery replacement.



# EXPOSURE SETTING

## 1. SHUTTER SPEED SETTING



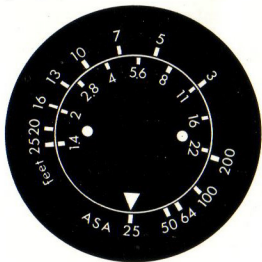
### 1 ) Leaf-type shutter cameras

For perfect synchronization with electronic flash units, the shutter speed of this type of cameras can be adjusted to any setting.

### 2 ) Focal plane shutter cameras

Most of the cameras featuring focal plane shutter have “X” setting on their shutter speed control dial. Use this or slower speed settings for synchronization with electronic flash units. Usually, the “X” setting provides a shutter speed of  $1/60$  sec. or slower speeds. For details on synchronization with electronic flash units, refer to the instruction booklet supplied with your camera.

## 2. APERTURE SETTING



- 1 ) Adjust the Exposure Computer Dial (2) so that the figure denoting the ASA or DIN speed rating of the film loaded in your camera aligns perfectly with the triangular index mark.
- 2 ) Locate the figure equivalent to the distance from your flash unit to your subject on the outer scale of the dial which is calibrated in both meters and feet, and read off the aperture setting for that distance on the inner scale.

For instance, when using a Kodachrome II film which has a speed rating of ASA 25, the Exposure Computer Dial will give an aperture setting of  $f/5.6$  for a subject range of 6 feet  
 $f/8$  for a subject range of 4 feet

When photographing outdoors or in a spacy room where there is no effective reflecting surface, open the lens aperture by one or two stops larger than the reading given by the Exposure Computer Dial. This will assure you of better results.

## CIRCUIT TEST

To test the circuit of your unit, either press the Open Flash Button (Circuit Tester) (4) or shortcircuit the PC Cord (10) plug with the tip of a screw-driver or a tapered metal object.

If the unit flashes as a result of this test but fails to trigger when mounted on the camera, it is an indication of poor contact with the camera or malfunction of the flash contact of your camera. In case your unit fails to flash in the course of the circuit test or in actual use, do not attempt to repair it yourself. Mail it to the service station or bring it back to your nearest K-MART Camera Department.

**SERVICE STATION**

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