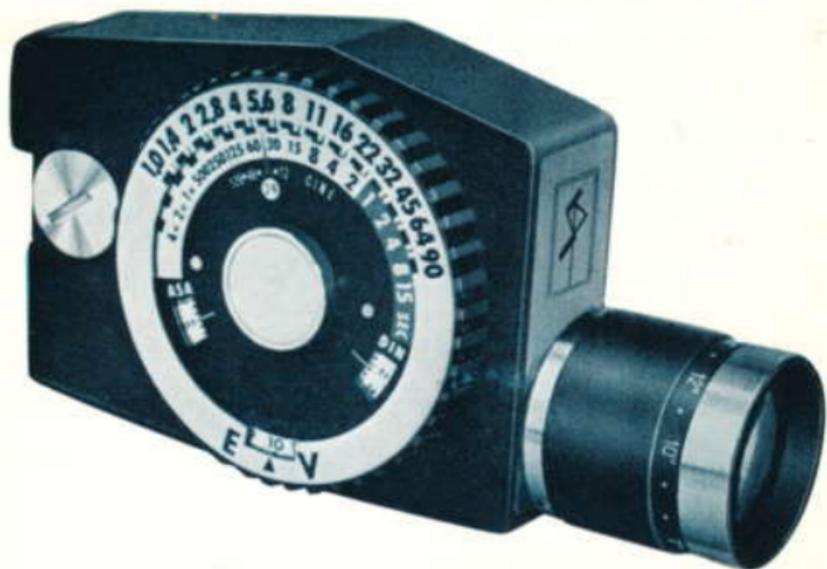


*sp||tr||n*

# PENTAVIEW ZOOM meter



MEKANO CORPORATION

***SP//tr//n* PENTAVIEW ZOOM meter**

## GENERAL DESCRIPTION

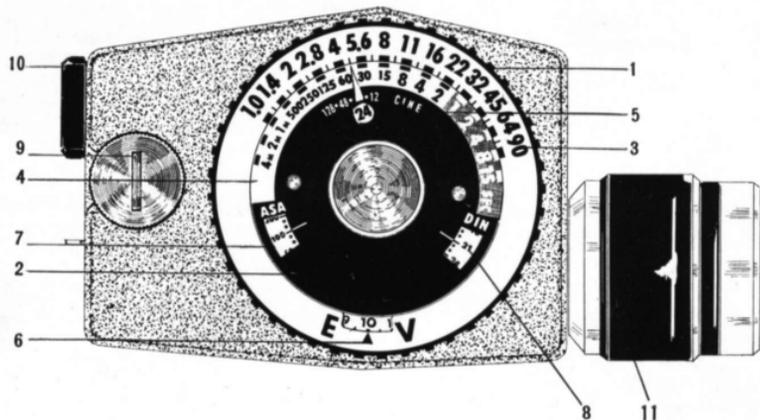
The Spotron Pentaview Zoom Meter is designed to provide you with the utmost flexibility in taking exposure readings. With the Spotron Pentaview Zoom Meter you can zoom in and measure any feature of the scene to be photographed.

The acceptance angle of the Spotron Pentaview is normally fixed at 10°. This is equal to the field of view of a 250mm telephoto lens mounted on a 35mm camera. In many ways this is the most convenient angle for general photography. In some situations, however, the 10° acceptance angle may not be narrow enough. For instance, in shooting the face of a subject at a distance, a dark background may intrude and adversely affect the reading. It would be necessary for you to move closer to the subject for a more accurate reading.

With the Spotron Pentaview Zoom Meter, you can remain in place and zoom in for a tighter view of the face, thus excluding the background and getting an accurate reading. Readings may be taken at various angles of view from 7° to 14°.

Another advantage of the Spotron Pentaview Zoom Meter is its ability to take a close-up reading from as near as twelve inches without special attachments.

In addition to the Pentaview and Pentaview Zoom, the Spotron Professional Meter is available for professional use. It features an acceptance angle of 2°.



- |                                  |                     |                         |
|----------------------------------|---------------------|-------------------------|
| 1. Adjusting dial                | 5. Frame speed      | 9. Battery chamber      |
| 2. Adjusting disc for film Index | 6. E. V. indication | 10. Finder              |
| 3. f-stop                        | 7. ASA Index number | 11. Zoom ring           |
| 4. Shutter speed                 | 8. DIN Index number | 12. ON, OFF, BC, Switch |

**SP//tr//n****PENTAVI****INSTRUCTION FOR USE**

1. Turn the disc (2) on the dial and set the ASA or DIN rating according to the film you are using.
2. Turn the switch to the ON position.
3. Look through the viewfinder and locate the object or scene to be photographed. Turn the zoom lens ring so that only the area to be measured can be seen through the viewfinder.
4. Turn the dial (1) to position the needle in the indicator slot shown in the upper part of the viewfinder.
5. Now select the combination of shutter speed and f-stop you desire. When using a Cine-camera the correct f-stop will be found on the dial (3) opposite the frame speed (5) on disc (2).

**TO CHECK BATTERY VOLTAGE**

Turn disc (2) to set the ASA speed to 100. Then turn the dial ring (1) to bring EV-10 to the mark (6). Turn the switch to the BC position and look through the view finder. If the needle is in any part of the rectangular notch on the upper left side of the finder frame, battery voltage is high enough for use. If the needle is off to the right side of the rectangular notch then the battery voltage is too low and the battery should be replaced immediately.

**IMPORTANT**

This voltage check can only be made accurately with the ASA speed set at 100 and the EV-10 indication set as described.

EV	f t-c	EV	f t-c
3	.104	11	26
4	.21	12	53
5	.41	13	106
6	.8	14	212
7	1.6	15	425
8	3	16	851
9	6	17	1703
10	13	18	3407



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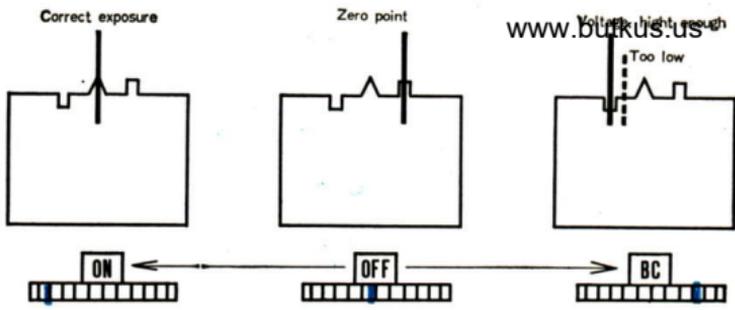
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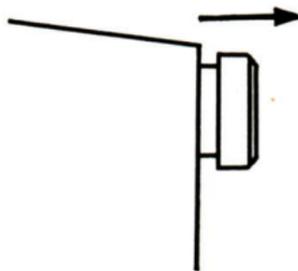
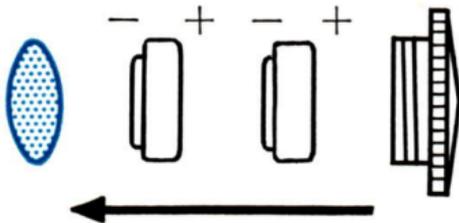
## TO REPLACE BATTERIES

The Spotron Pentaview meter has two Mercury batteries (such as Mallory RM-675R). When replacement is necessary, replace both batteries at the same time. Be sure the batteries are inserted correctly according to the (+) and (-) markings indicated.

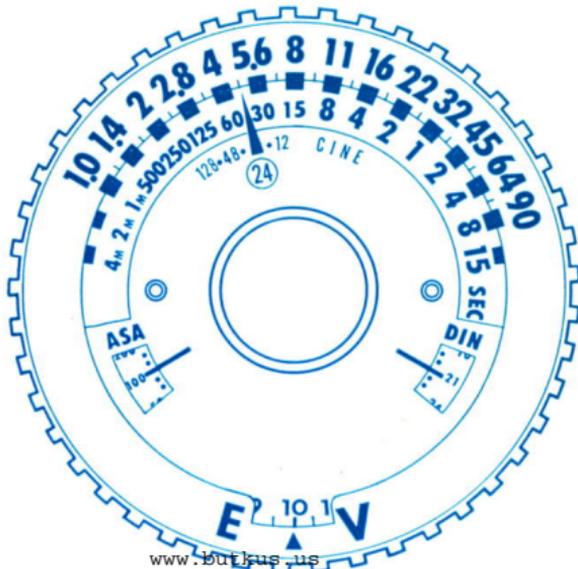
## IMPORTANT

To prevent unnecessary battery drainage the switch dial should be set in the OFF position when not in use.

### HOW TO REPLACE BATTERIES



HOW TO ADJUST EYEPIECE



<p>TELEPHOTO</p>	<p>SPORT</p>	<p>PORTRAIT</p>
<p>STAGE</p>	<p>MOVIE, T.V.</p>	<p>COPYING</p>

## SPECIFICATIONS

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1) Light acceptance angle:	: $7^{\circ} - 14^{\circ}$
2) Finder	: Angle of view $7^{\circ} - 14^{\circ}$ correct image reflex type 1.5x
3) Photo cell	: CdS.
4) Power of electricity	: Mercury Battery 1.3V $\times$ 2 (Mallory RM-675R or Eveready E 675)
5) Measuring range	: K Value 1.3 EV 3-18 (ASA-100 standard) ASA 3-6400 DIN 6-39 Time 15 sec. - 1/4000 sec. f-stop 1.0-90 Cine 12, 18, 24, 32, 48, 64, 128 fps.
6) Method of measuring	: Zero method
7) Size and Weight	: 68 $\times$ 90 $\times$ 24 mm. 250 gm.
8) Others	: Diecast body equipped with battery checker, adjustable eyepiece.
9) Accessories	: Strap, soft case and filter for incident light.

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