

Kalimar[®]

EXPOSURE METER



CONGRATULATION

Your KALIMAR Exposure Meter is a precision-crafted, high-sensitivity instrument, designed to give you better and more accurately exposed pictures with a minimum of effort. The "KALIMAR" is easy to operate for either color or black-and-white photography. It is designed so a "booster" (auxiliary photo cell) can be used to give quick, accurate readings, even under extremely poor light conditions. The exclusive KALIMAR "64X" booster, for low level incident light readings, makes this meter among the most sensitive on the market. The "KALIMAR" is handsomely finished, accurate, light in weight, sturdy and shock-resistant. The "KALIMAR" is easy to use for both stills and movies and is equipped with a newly designed photo-electric cell. The measuring range is extensive, with a high scale for BRIGHT light conditions and a low scale for DULL light conditions. It also incorporates Polaroid Numbers and Light Value Scale for camera employing these systems for exposure control. Many years of accurate picture making are yours with the versatile KALIMAR Exposure Meter.

INSTRUCTIONS :

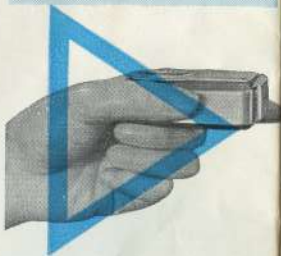
First, determine the exposure with the film. Under any of the readings for

Reflected Light Readings :

Reflected light is light reflected from the subject towards camera. From the camera position, point the meter toward the subject's center of interest. Outdoors, point the meter slightly downward to avoid a false "reading" of the excessively bright sky. When shooting closeups, hold the meter about 3 to 5 inches from the subject, or as close as possible without casting your shadow on

Where brightness contrast is very great, take separate readings of the lightest and darkest portions of the subject. Average the results to determine correct exposure.

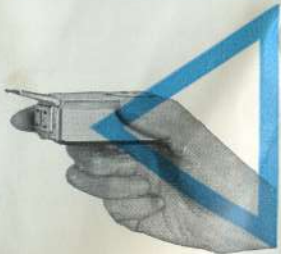
REFLECTED LIGHT



INCIDENT LIGHT

Incident Light Reading :

Incident light is light which falls on subject scene. Hold the meter at subject position and point it toward the camera. Use incident light attachment when using meter in this manner, and take readings against the closed bright or open dull index flags according to whether the cell cover is open or closed.



...the ASA exposure index (speed) of your film from the chart.
Turn the inner dial of the meter until this index number appears.
Under the light conditions described below, line up proper index with
ASA, LVS, Polaroid, Movies and an assortment of still camera shutter-le-



**CLOSE COVER
USE "CLOSED BRIGHT"**

Bright Light :

Under bright light conditions, as outdoors during daylight, keep the lid of the photo-cell window closed and use the "CLOSED BRIGHT" index.

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cluded with this meter or from the instruction sheet packed in the ASA window.

Panel directly adjoining needle position. You will then have various combinations. Use whichever system applies to your equipment.



**OPEN COVER
USE "OPEN DULL"**



**USE BOOSTER, OPEN COVER
USE "BOOSTER" INDEX**

Light :

places, where you cannot get a satisfactory reading with the lid closed, open the lid by pressing the knob on the upper right-hand corner of the meter and use the "OPEN DULL"

Use with Accessory Booster :

When using the auxiliary photo cell for reflected light reading in very dim places, attach it to the bottom of the meter by plugging into the holes provided. Leave the lid of the photo cell window open and take a reading, using the "BOOSTER" index.

USE WITH BOOSTER

For accurate reading at extremely low light levels, place incident light attachments in front of photo cell window and in front of booster cell. Hold meter as for taking an incident light reading, pointing it from subject position toward the camera. Use "INCIDENT BOOSTER" index.

Note :

When incident light reading is not required hook the multiple lens on stud provided on back of booster.



FILM EMULSION SPEED NUMBERS (ASA)

| COLOR FILMS | DAYLIGHT | PHOTOFLOOD | TUNGSTEN (3200° K) |
|---|----------|------------|-----------------------|
| ANSCO | | | |
| Super Anscochrome Daylight, all sizes | 100 | — | 40* |
| Super Anscochrome Tungsten, all sizes | 80* | — | 100 |
| Anscochrome Daylight, all sizes | 32 | — | 12* |
| Anscochrome Sheet, Tungsten | 20* | — | 25 |
| Anscochrome 16mm, Tungsten | 25* | — | 32 |
| Moviechrome • 8, 8mm Daylight | 20 | — | 8* |
| KODAK | | | |
| Kodachrome Daylight, all sizes | 10 | 5* | — |
| Kodachrome Type A, all sizes | 10* | 16 | — |
| Kodachrome Type F, all sizes | 10* | 10* | 8* |
| Ektachrome Daylight (E-2 process) | 32 | 10* | 8* |
| Ektachrome Type F (E-2 process) | 20* | 16* | 10* |
| Kodachrome Professional sheet, Daylight | 12 | — | — |
| Kodachrome Professional sheet, Type B | 6* | 8* | 10 |
| Ektacolor | 5* | 6* | 8* |
| Kodacolor (Universal CU type) | 32 | 24 | — |

* With filter as recommended by manufacturer.

| BLACK AND WHITE FILMS | | | DAYLIGHT TUNGSTEN | |
|-------------------------------|------|------|-------------------------------|-----|
| ROLLS AND PACKS | | | KB 21 | 80 |
| ANSCO | | | ANSKO | 50 |
| Super Hypan | 500 | 400 | Super Hypan | 500 |
| All Weather Pan | 125 | 100 | GEVAERT | |
| ILFORD | | | Gevapan 30 | 100 |
| HP3 | 125 | 100 | ILFORD | |
| KODAK | | | HP3 | 125 |
| Tri-X | 200 | 160 | HPS | 400 |
| Panatomic X | 32 | 24 | KODAK | |
| Verichrome Pan | 100 | 80 | Tri X | 200 |
| POLAROID LAND | | | Plus X | 100 |
| Type 31 & 41 | 100 | 64 | Panatomic X | 32 |
| Type 32 & 42 | 200 | 160 | 8 AND 16 MM MOVIE FILM | |
| Type 44 | 400 | 250 | KODAK | |
| Type 46 | 1000 | 700 | Tri-X Pan Reversal | 200 |
| Type 37 & 47 | 3200 | 2400 | Super-XX Pan | |
| MINIATURE CAMERA FILMS | | | Reversal | 100 |
| ADOX | | | Plus-X | 50 |
| KB 14 | 16 | 10 | Super-X Pan | 40 |
| KB 17 | 32 | 20 | Reversal | 40 |

TECHNICAL DATA

Measuring Range :

| | |
|-------------------------------|-----------------------|
| Film Sensitivity Scale : | ASA 3 - ASA 3200 |
| Exposure Time Scale : | 1/1000 sec. - 60 sec. |
| Lens Apertures : | f : 1 - f : 32 |
| Light Value Scale : | 1 - 18 |
| Movie Camera, Frames/second : | 8 - 64 |

Method : Reflected and incident light measuring methods.
Supplied with incident light attachment, leather case and chain.

Note :

For "zero" adjustment of meter; fully close Photo-cell window so that no light enters. Slowly turn the slotted screw on back of meter either to left or right for "zero" setting.

COMPARATIVE EMULSION SPEED VALUES

| ASA Exp. Index | DIN | ASA Exp. Index | DIN | ASA Exp. Index | DIN | ASA Exp. Index | DIN |
|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
| 3 | 6/10 | 32 | 16/10 | 300 | 26/10 | 6400 | 39/10 |
| 6 | 9/10 | 50 | 18/10 | 400 | 27/10 | 12800 | 42/10 |
| 10 | 11/10 | 80 | 20/10 | 600 | 29/10 | 25000 | 45/10 |
| 12 | 12/10 | 100 | 21/10 | 800 | 30/10 | | |
| 16 | 13/10 | 160 | 23/10 | 1600 | 33/10 | | |
| 25 | 15/10 | 200 | 24/10 | 3200 | 36/10 | | |

A PRODUCT OF



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