

WILSONWERKS ARCHIVES

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Walz

WALZ ELECTRIC EYE
MODEL S
FOR STILL CAMERAS



PRESET AT 1/50
SEC. WITH CASE
and 35mm
SHOE CLIP

Here's all you do!

1 Set film speed.

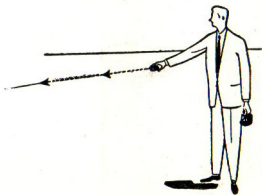
Turn the knob on the side to the ASA Exposure Index Number (Film Speed) for the film you are using. The Exposure Index Number is given in the film instruction sheet as well as in the Film Speed Chart in this folder.



S H E E R

2 Point meter at subject downward slightly.

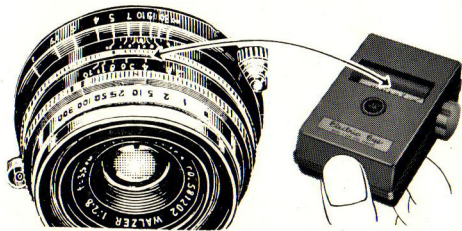
Point the meter at your subject matter downward slightly to avoid excessive overhead skylight or sun which may effect the reading. When possible it is desirable to hold the meter about five inches from your subject matter or as closely as possible without casting a shadow. Always avoid casting a shadow on the subject matter. When the subject matter cannot be approached it is often desirable to place the palm of your hand about five inches in front of the photo-cell window in such a way as to reflect the same light as that falling on the subject.



S I M P L I C I T Y

3 Set Camera to F:Stop Number indicated by needle.

The needle will immediately directly indicate the exact f:stop number to use. Set the shutter on your camera to this number and you will have a perfect exposure. Since the meter is pre-set at 1/50 sec., for additional shutter refer to the conversion table located on the leather case.



T O U S E !

CONVERSION TABLE FOR ADDITIONAL SHUTTER SPEEDS

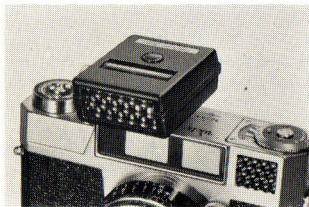
SPEED	F: STOPS							
1/10	2.8	4	5.6	8	11	16	22	
1/32	1.9	2.8	4	5.6	8	11	16	22
1/50	1.4	1.9	2.8	4	5.6	8	11	16
1/100	1.0	1.4	1.9	2.8	4	5.6	8	11
1/300		1.0	1.4	1.9	2.8	4	5.6	8
1/500			1.0	1.4	1.9	2.8	4	5.6

In the event you wish to use your Meter with shutter speeds other than 1/50, you can convert the f:stop number on your meter to other speeds by using the above chart. For example: Set Meter to ASA 100; if needle reads f:5.6 and you wish to convert to shutter speed of 1/32 sec., refer to the chart you can determine that f:11 should be used with 1/32 seconds.

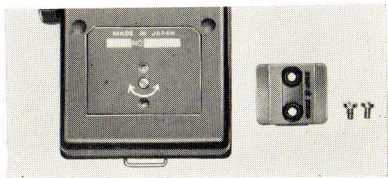
HOW TO USE THE METER

AS CLIP-ON METER

The Walz ELECTRIC EYE MODEL S METER is equipped with standard accessory shoe. For standard cameras slide the nylon shoe on the meter to the accessory clip of the camera.



THE ZERO ADJUST



The pointer of the instrument should point to the "0" mark on the channel when there is no illumination on the Photo Cell Window. The meter is properly "0" adjusted before leaving the factory. This adjustment will normally remain correct for many years. However, should there be some necessity to re-adjust the "0" setting remove the accessory shoe from the back of the meter, by means of removal of the two hold-down screws. Below the accessory shoe will be found the "0" adjust screw. Turn the "0" adjust screw to change the position of the pointer. Be sure there is no illumination on the photo cell window when adjusting to "0"

CONVERSION TABLE TO EV-LV SETTINGS

1/50	1.4	2	2.8	4	5.6	8	11	16	22
EV-LVS	8	9	10	11	12	13	14	15	16

In the event you wish to use your Meter with EV-LV shutter settings, you can convert the f:stop number on your meter to EV-LV number by using the above chart. For example: Set Meter to ASA 100; if needle reads f:8 refer to the chart you can determine that EV-LV number would be 13.

CONVERSION TABLE TO MOVIE FRAMES PER SECOND

SPEED	F:STOPS						
1/50	2.8	4	5.6	8	11	16	22
8 FPS	8	11	16	22	32	—	—
16 FPS	5.6	8	11	16	22	32	—
32 FPS	4	5.6	8	11	16	22	32
64 FPS	2.8	4	5.6	8	11	16	22

In the event you wish to use your Meter with Movie Cameras, you can convert the f:stop number on your meter to f:stop number of your movie cameras by using the above chart. For example: Set Meter to ASA 100; if needle reads f:5.6 and you wish to convert to 16 frames per second, refer to the chart you can determine that f:11 should be used with 16 frames per second.

ASA EXPOSURE INDEX (Film Speed)

ROLLS AND PACKS

	Exposure Index	
	Daylight	Tungsten
ANSCO		
Super Hypan	500	400
Supreme	50	32
All Weather Pan	64	32
ILFORD		
HP 3	200	160
HPS	400	320
KODAK		
Plus X	80	64
Tri-X	200	160
Panatomic X	25	20
Verichrome Pan	80	64
POLAROID LAND		
Type 31 & 41	100	64
Type 32 & 42	200	160
Type 44	400	250
Polaroid Type 46, 46L	1,000	700

MINIATURE CAMERA FILMS

ADOX		
KB 14	16	12
KB 17	32	25
KB 21	80	64
ANSCO		
Super Hypan	500	400
Ultra Speed Pan	100	64
Supreme	50	32

GEVAERT		
Gevapan 30	64	40
Gevapan 33	125	100
ILFORD		
HP 3	200	160
HPS	400	320

16 MM MOVIE FILMS

ANSCO		
Supreme Negative	50	32

SHEET FILMS

	Exposure Index	
	Daylight	Tungsten
ANSCO		
Triple S-Pan	200	160
Superpan Press	125	80
Triple-S Ortho	125	64
Isopan	50	32
Superpan Portrait	50	32
Commercial Ortho	25	12
Commercial	25	6
DU PONT		
High-Speed Pan, Type 428	150	125
Arrow Pan	160	125
X. F. Pan	64	40
O. F. Ortho	64	32
Fine Grain Pan	32	20
Commercial	24	6
Superior Press	200	160

ILFORD		
HP 3	200	160
HPS	400	320

	New ASA	
	Film Speed	Speed Value
KODAK		
ROLL FILMS		
Panatomic X	40	3.5
Verichrome Pan	125	5
Plus X Pan Prof.	160	5.5
Plus X Pan Film Pack	160	5.5
Tri X Pan	400	7
Royal X	1250	8.5
35mm FILM		
Panatomic X	40	3.5
Plus X Pan	160	5.5
Plus X Portrait	160	5.5
Tri X Pan	400	7

COLOR FILMS

	Daylight		Common Photo-flood 3400 K		Professional Flood Lamps 3200 K	
	Filter	Exp. Ind.	Filter	Exp. Ind.	Filter	Exp. Ind.
ANSCO						
Ansochrome	None	32	10	8	—	—
Super Ansochrome Daylight	None	100	80B	40	80B	40
Super Ansochrome Tungsten	85B	80	—	—	None	100
Ansochrome Flash	—	—	—	—	—	—
Ansochrome 15mm Tungsten	11(A10)	24	None	32	—	—
KODAK						
Kodachrome Daylight	None	10	80B	5	—	—
Kodachrome Type A	85	10	None	16	—	—
Kodachrome Type F	85C	10	82A	10	82C	8
Ektachrome Daylight (E-2 process) ...	None	32	80B	12	80B & 82A	8
Ektachrome Type F (E-2 process) ...	85C	20	82A	16	82C	10
Ektachrome Prof. Sheet Daylight ...	None	12	—	—	—	—
Type B ...	85B	6	81A	8	None	10
Ektacolor Type A	85	5	81A	6	None	8
Kodacolor	None	32	None	25	—	—



WALZ ELECTRIC EYE

MODEL S FOR STILL CAMERAS

The Walz ELECTRIC EYE MODRL S is a precision photo-electric meter which provides a direct reading of the f:stops pre-set at 1/50 sec. The full automation & simplicity of setting your camera can be fully enjoyed only when used in connection with the Walz ELECTRIC EYE MODEL S METER.