

WILSONWERKS ARCHIVES

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WESTON PHOTOGRAPHIC PRODUCTS

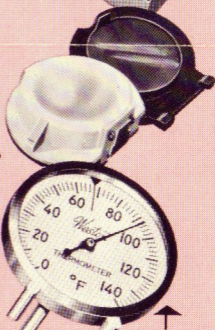
Master III Universal Exposure Meter is calibrated to ASA specifications; has film speeds to 3200 and an exclusive 3 in 1 control dial. Meter movement is ruggedized for longer, dependable service.



Direct Reading meter for the casual photographer . . . easy to use . . . simply set the film speed, point the meter and read the correct lens setting directly on the scale.

Invercone Incident Light Adapter . . . extends the use of Weston Master Universal Meters to include the measurement of incident light.

MODEL 877 Photographic Analyzer provides scientific control from negative to final print . . . practically indispensable in color work.



The **Weston Photographic Thermometer** is a must for any darkroom . . . check all your processing temperatures with this reliable thermometer.

WESTON ELECTRICAL INSTRUMENT CORPORATION

A Subsidiary of Daystrom, Incorporated

NEWARK 5, NEW JERSEY

WESTON FILM RATINGS

The Film Ratings listed in this folder are determined in the Sensitometric Laboratories of the Weston Plant in Newark, New Jersey, and are provided in both the Weston System and in Exposure Index values.

WESTON SYSTEM— Films for test are purchased across the counter at photographic stores throughout the United States. Exposures are made in a Standardized Sensitometer and development is done strictly in accordance with the recommendations of each film manufacturer with respect to developer and time. The film rating is then determined from the resulting characteristic curve.

EXPOSURE INDEX—Films for test are purchased across the counter at photographic stores throughout the United States. Exposures are made in a Standardized Sensitometer and the films are then developed to the American Standards Association's specifications.

The interpretation of the characteristic curve of each film follows exactly the ASA specification "American Standard Method for Determining Photographic Speed and Exposure Index". The film rating is then determined from the resulting characteristic curve.

NOTE—Color, black-and-white reversal-process movie films and Polaroid material cannot be tested by the Weston or ASA methods. Film ratings for these are determined by exposing film in carefully calibrated cameras and developing the film in accordance with the film manufacturer's recommendations.

IMPORTANT

Use **WESTON SYSTEM** speeds **ONLY** with Weston Exposure Meters having the following **MODEL NUMBERS**—
650 - 715 - 720 - 735 - 736 - 819 - 850

Use **EXPOSURE INDEX** speeds **ONLY** with Weston Exposure Meters having the following **MODEL NUMBERS**—
737 - 852 - 853

WESTON FILM RATINGS

ROLLS AND PACKS

	Weston System		Exposure Index	
	Daylight	Tungsten	Daylight	Tungsten
ANSCO				
Superpan Press	100	64	100	64
Supreme	50	32	50	32
Plenachrome	50	32	50	24
All Weather Pan	50	32	64	50
ILFORD				
HP3	160	125	125	100
KODAK				
Tri-X	200	125	200	160
Panatomic X	50	32	32	24
Verichrome Pan.....	125	80	100	80
*POLAROID				
Type 31 & 41	100	64	100	64
Type 32 & 42	200	160	200	160
Type 44	400	250	400	250
*Use following film ratings with Weston Model 853 DR.				
Type 31 & 41	40	24	40	24
Type 32 & 42	80	64	80	64
Type 44	160	100	160	100

MINIATURE CAMERA FILMS

	Weston System		Exposure Index	
	Daylight	Tungsten	Daylight	Tungsten
ADOX				
KB 14	16	10	16	10
KB 17	32	20	32	20
KB 21	50	32	80	50
ANSCO				
Ultra Speed Pan	64	50	80	50
Supreme	50	32	50	32
GEVAERT				
Gevapan 30	50	32	100	80
KODAK				
Tri X	200	125	200	160
Plus X	100	64	100	80
Panatomic X	50	32	32	24
ILFORD				
HP3	160	125	125	100

8 AND 16 MM MOVIE FILMS

	Weston System		Exposure Index	
	Daylight	Tungsten	Daylight	Tungsten
ANSCO				
Hypan Reversal.....	32	24	40	32
Supreme Negative.....	50	32	50	32
KODAK				
Tri-X Pan Reversal.....	200	160	200	160
Super-XX Pan Reversal....	100	64	100	80
Super-X Pan Reversal.....	32	24	40	32

SHEET FILMS

	Weston System		Exposure Index	
	Daylight	Tungsten	Daylight	Tungsten
ANSCO				
Triple-S Pan	200	125	200	160
Superpan Press	64	50	125	80
Triple-S Ortho	80	50	125	64
Isopan	50	32	50	32
Superpan Portrait	64	40	50	32
Commercial Ortho.....	20	16	24	12
Commercial	24	8	24	6
DU PONT				
High-Speed Pan	125	100	160	125
Arrow Pan	100	64	160	125
X. F. Pan.....	40	32	64	40
X. F. Ortho.....	50	16	64	32
Fine Grain Pan.....	20	16	24	16
Commercial	24	8	24	6
Superior	125	100	200	160
KODAK				
Tri-X Panchromatic	160	100	200	160
Ortho-X	100	64	125	64
Super Pancro Press				
Type B	100	64	125	100
Super Ortho Press	100	32	100	50
Super XX	160	100	100	80
Portrait Pan	50	32	64	40
Royal Pan	160	125	200	160
Panatomic X	40	32	32	24
Commercial	24	8	24	6
Commercial Ortho	24	10	32	10
Super Speed Ortho				
Portrait	50	32	50	24
ILFORD				
HP3	160	125	125	100

SHUTTER SPEEDS FOR MOTION PICTURE CAMERAS

16 Frames per Second

CAMERA	Time (Sec)	
	Type A*	Type B*
AnSCO Model B.....	1/30	—
Auricon(24 FPS).....	—	1/50
Bell and Howell 70-A, 70-AA, 70-AB, 70-D, 70-DA, 70-DL, 70-E, 70-(F), 70-H, 70-J, 121, 127-A, 127-B, 134-Companion, 134- Sportster, 134-Turret, 172-A, 172-B.....	1/30	—
Bell and Howell Golf 70, 71, 75, 141, 141-A, 141-B, 153, 153-A, 153-B, 153-BA, 200....	—	1/40
Bell and Howell 70-DB, 70-DC.....	—	1/50
Bolex H-8, H-16, L-8.....	1/30	—
Briskin 8	1/30	—
Cinklox	1/30	—
De Jur Amsco.....	1/30	—
Devry	1/30	—
Eastman Kodak	1/30	—
Franklin	1/30	—
Keystone (All Models).....	1/30	—
Maurer(24 FPS).....	1/30	—
Mitchell	1/30	—
Paragon	1/30	—
Pathe 16	1/30	—
Revere K-40, K-44, M-60, M-67, M-70, M-77, T-61, T-63	1/30	—
Revere S-16, S-26.....	—	1/50
Simplex	—	1/40
Stewart Warner	—	1/50
St. W. Hollywood and 532A.....	—	1/40
Universal	1/30	—
Victor	1/30	—
Wollensak Models 28, 23, 58, 53.....	1/30	—
Wollensak Models 91, 93.....	—	1/40
Zeiss Kinamo.....	1/30	—

* Refers to the "Type Camera" setting on Weston Ciné Exposure Meter Models 736, 720 and 819.

Note: The difference in shutter speed for the same number of frames per second is due to the varying size of shutter openings.

Shutter speeds of multi-speed cameras are proportional. If your camera has a shutter speed of 1/30 sec. for 16 frames then for 64 frames per sec. the speed will be four times as fast or 1/120 sec., etc.

The shutter speeds listed above are those on the exposure control dial on the meter. They are the closest values to the actual shutter speeds of the respective cameras.

All Film Ratings established by Weston may be reproduced by others, if designated as "Weston Film Ratings", without specific permission.