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# 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 H16 (above serial 100,400).....	—	1/40
Bolex H16 (below serial 100,400).....	1/30	—
Bolex H8 (above serial 97,800).....	—	1/40
Bolex H8 (below serial 97,800).....	1/30	—
Bolex B, C, and L8.....	1/30	—
De Jur Ansco.....	1/30	—
Eastman Kodak.....	1/30	—
Keystone (All Models).....	1/30	—
Maurer ..... (24FPS).....	1/30	—
Mitchell.....	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
Universal.....	1/30	—
Victor.....	1/30	—
Wollensak Models 28, 23, 58, 53.....	1/30	—
Wollensak Models 91, 93.....	—	1/40

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.

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## EXPOSURE INDEXES

for

# WESTON EXPOSURE METERS



**MASTER III**

Model 737

**CADET**

Model 852

**DIRECT**  **READING**  
Model 853

## IMPORTANT

For all other Weston Exposure Meters  
use Weston Film Ratings—Form C-100

**WESTON ELECTRICAL INSTRUMENT CORPORATION**

A Subsidiary of Daystrom, Incorporated

NEWARK 12, NEW JERSEY

These film speeds are the Exposure Indexes determined by the film manufacturer in accordance with the American Standard Association (ASA) procedure and include the full safety factor. For Exposure Indexes of films not listed, and other information regarding the use of the film, consult the manufacturer's data sheet.

## MINIATURE CAMERA FILMS

### ADOX

KB 14 .....	16	12
KB 17 .....	32	25
KB 21 .....	80	64

### ANSKO

Supreme .....	50	32
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### GEVAERT

Gevapan 30 .....	64	32
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### ILFORD

HP3 .....	200	160
HPS .....	400	320

### KODAK

Panatomic X .....	25	20
Plus X .....	80	64
Tri X .....	200	160

Exposure Index	
Daylight	Tungsten

## ROLLS AND PACKS

### ANSKO

All Weather Pan.....	64	50
Supreme .....	50	32

### ILFORD

HP3 .....	200	160
HPS .....	400	320

### KODAK

Panatomic X .....	25	20
Tri-X .....	200	160
Verichrome Pan .....	80	64

### \*POLAROID LAND

Use the following speeds with Models 737, 852, and with Model 853 having both POL and LX scale.

Type 31 & 41 .....	100	64
Type 32 & 42 .....	200	160
Type 44 .....	400	280
Type 46 .....	1000	.....

\*Use following speeds with all other Model 853 Exposure Meters.

Type 31 & 41 .....	40	24
Type 32 & 42 .....	80	64
Type 44 .....	160	100
Type 46 .....	400	.....

## COLOR FILMS

### ANSKO

Ansochrome .....	None	32
Ansochrome Flash .....	.....	82A
Ansochrome 16 mm Tungsten.....	11	24
Super Ansochrome .....	.....	100

### KODAK

Ektachrome Daylight (E-2 process).....	None	32
Ektachrome Type F (E-2 process).....	85C	20
Ektachrome Type B.....	85B	5
Kodachrome Daylight .....	None	10
Kodachrome Type A.....	85	10
Kodachrome Type F.....	85C	10
Kodacolor (Universal CU Type).....	None	32

Daylight		Common Photo flood 3400° K		Professional Flood Lamps 3200° K	
Filter	Exp. Ind.	Filter	Exp. Ind.	Filter	Exp. Ind.
.....	.....	10	8	.....	.....
.....	.....	82A	20	.....	.....
.....	.....	None	32	.....	.....
.....	.....	.....	.....	.....	.....
.....	.....	80B	10	80B & 82A	8
.....	.....	82A	16	82C	10
.....	.....	81A	6	None	8
.....	.....	80B	5	.....	.....
.....	.....	None	16	.....	.....
.....	.....	82A	10	82C	8
.....	.....	None	24	.....	.....