



IMPORTANT

Since the Photosphere is a miniature representation of the camera side of any three-dimensional subject, the M-3 should be held so that the same light falling on the subject falls on the Photosphere. The M-3 can be held either at the subject, with the Photosphere pointing toward the camera position, or when this is impractical, it may be held closer to the camera when the same light illuminates the camera location as the subject. Remember that the Photosphere represents the subject, and must receive the same light the subject does.



Guarantee

The Brockway M-3 Model Norwood Director is guaranteed against faulty workmanship and defective materials for a period of one year from date of manufacture. Should it become inoperative, return it for repair. Place meter in its box, surround with at least one inch of cushion packing, ship in corrugated box to Brockway Director Corporation, Stark Street, Manchester, N. H.

Printed in U.S.A.



The handy spring clip holds the M-3 on your pocket like a fountain pen. Constant exposure to light will not harm the M-3.



BROCKWAY
EXPOSURE METERS

MEASURE THE RIGHT LIGHT

The direct reading
NORWOOD Director
EXPOSURE METER

TRADE MARK



the
BROCKWAY
TRADE MARK
m-3

INSTRUCTIONS . . .

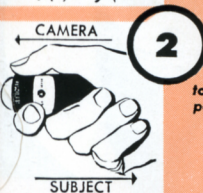
How to use your BROCKWAY *m-3* model

NORWOOD Director

EXPOSURE METER



1 INSERT SLIDE
for film you're
using in slot be-
neath Photosphere.
Set camera for shut-
ter speed marked on
slide.



**2 POINT
PHOTOSPHERE**
toward the camera
position.



**3 READ f/stop
DIRECTLY** on
M-3 scale and set
camera.

Choosing the proper slide

Your Brockway M-3 Model Norwood Director comes with two slides for use with Daylight Kodachrome film. Use the one marked "A.S.A. 10 1/30th sec." for movie cameras operating at 16 frames/second, the other marked "A.S.A. 10 1/50th sec." with still cameras. Your dealer has additional slides for other popular film and shutter speed combinations.

Shown here are the A.S.A. indexes of several popular films; for those not shown, consult your dealer.

How one slide can be used for several films

Each slide is made for use with the *one* particular film and shutter speed marked on the slide. However, to use a slide for a *different* film, you simply change the shutter speed to correspond with the

change in A.S.A. Ratings. For example, you can use the "A.S.A. 32 1/100th sec." slide with an A.S.A. 16 film, by changing the shutter speed to 1/50th sec. (Half the A.S.A. Rating, half the shutter speed.) Or the A.S.A. 32 slide can be used with an A.S.A. 64 film, by doubling the shutter speed from 1/100th sec. to 1/200th sec.

Also, the f/stops marked on the M-3 scale are all *full* stops, i.e., f/1.4 is twice as large as f/2.0; f/2.0 is twice f/2.8, etc. Therefore, the "A.S.A. 50 1/100th sec." slide can be used with an A.S.A. 25 film, at 1/100th sec., simply by using the next *larger* f/stop beyond the one indicated by the pointer. Similarly, the A.S.A. 50 slide can be used with an A.S.A. 100 film, by using one stop *smaller* than the pointer indicates. Understanding this direct relationship between film speed, shutter speed and f/stop makes your M-3 an extremely flexible meter.

A. S. A. FILM RATINGS

	Color	Daylight	Tungsten	Black & White	Daylight	Tungsten
Kodachrome, Daylight Type		10	4 *	Super XX Panchromatic	100	64
Kodachrome, Type A	10 *		16	Plus X Panchromatic	50	32
Ektachrome, Daylight Type		8		Verichrome	50	25
Ektachrome, Type B			10			
Kodacolor		25				

*With recommended filter

Polaroid — Always use slide marked "P". In daylight read Polaroid numbers directly. In artificial light, subtract 1 from meter reading and set camera accordingly. Important: only slide "P" is made for Polaroid readings.

For Polaroid film with Polaroid cameras having conventional f/stop — shutter speed settings, use "A.S.A. 100" slide for daylight, or "A.S.A. 64" slide for Tungsten.