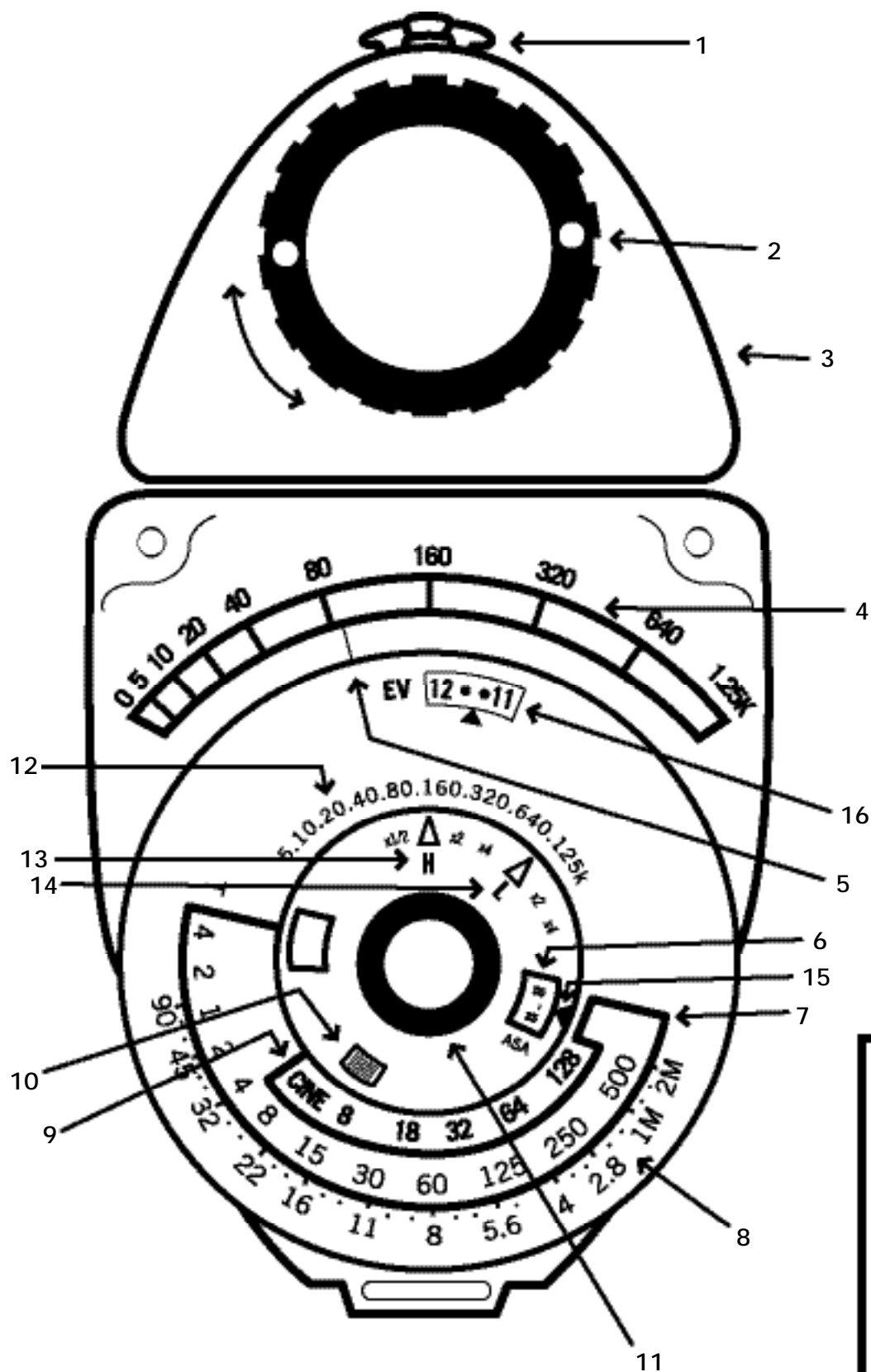
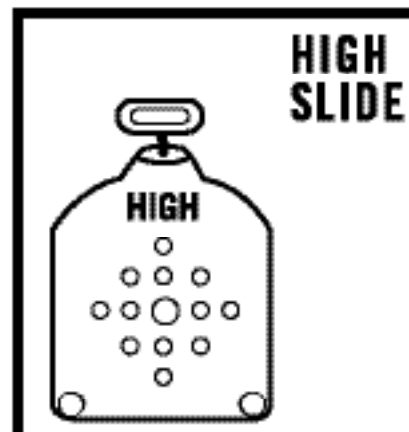


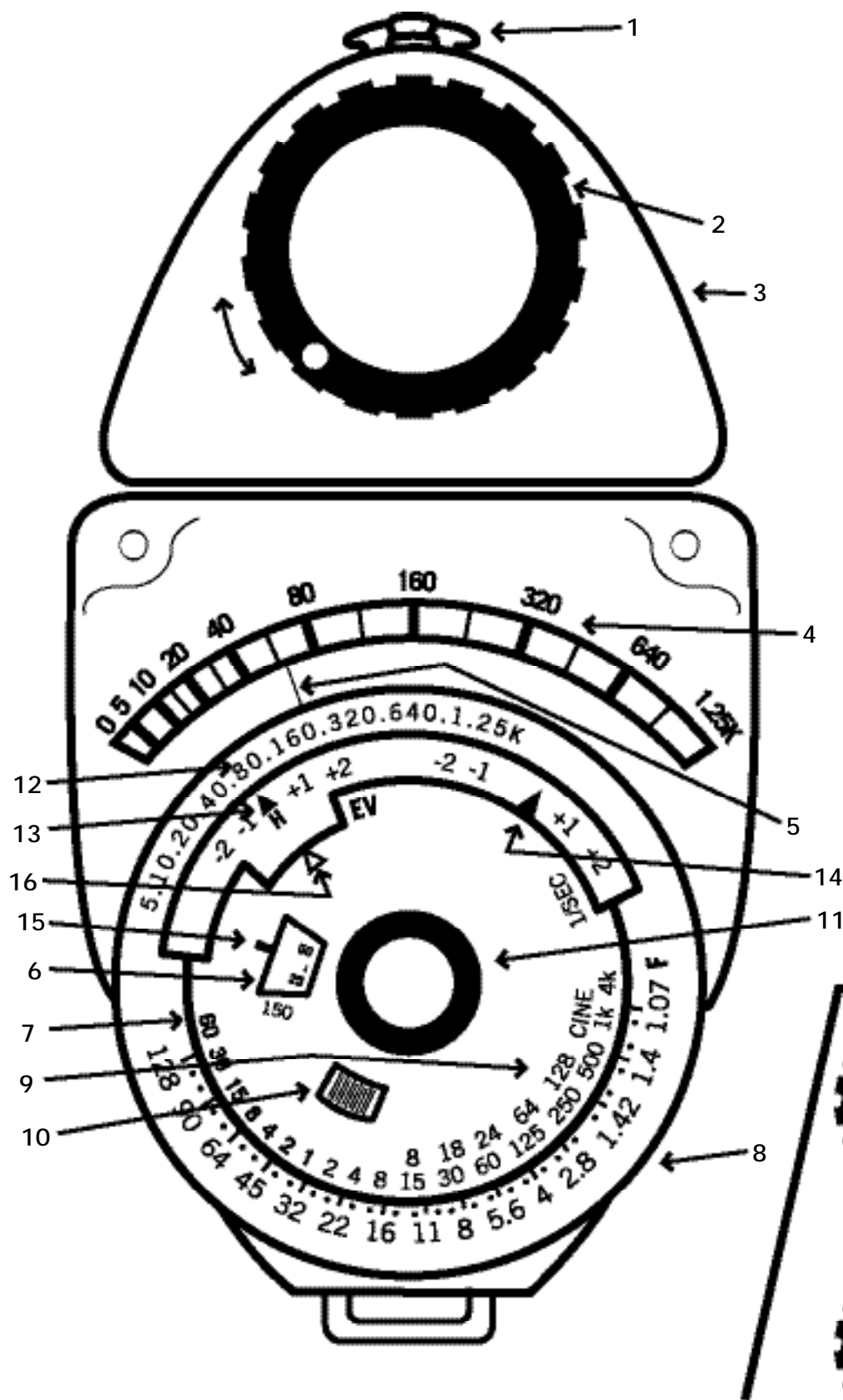
# SEKONIC STUDIO DELUXE L - 398



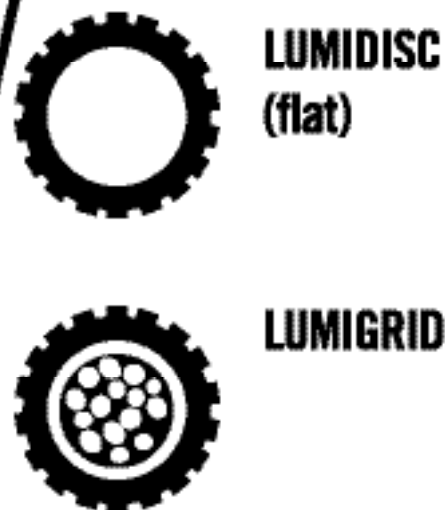
- 1) High Slide
- 2) Lumisphere
- 3) Head (swivels)
- 4) Footcandle Scale
- 5) Meter's Needle
- 6) ASA/ISO Scale (exposure index)
- 7) Shutter Speed Scale
- 8) Aperture (f/stop) Scale
- 9) Cine Scale (F.P.S.)
- 10) Film Sensitivity Selector Knob
- 11) Stopper Button
- 12) Dial Scale
- 13) "H" (High) Mark
- 14) "L" (Low) Mark
- 15) ASA/ISO Mark
- 16) EV Scale w/mark



# SEKONIC STUDIO DELUXE II L - 398M



- 1) High Slide
- 2) Lumisphere
- 3) Head (swivels)
- 4) Footcandle Scale
- 5) Meter's Needle
- 6) ISO/ASA Scale (exposure index)
- 7) Shutter Speed Scale
- 8) Aperture (f/stop) Scale
- 9) Cine Scale (F.P.S.)
- 10) Film Sensitivity Selector Knob
- 11) Stopper Button
- 12) Dial Scale
- 13) "H" (High) Mark
- 14) "L" (Low) Mark
- 15) ISO/ASA Mark
- 16) EV Scale w/mark



## SEKONIC STUDIO DELUXE L - 398

A reliable, general purpose exposure meter. Excellent for learning f-stop to footcandle relationships and for calculating lighting ratios. Primarily an incident light meter, but can also be used as a reflective light meter with the Lumigrid accessory. Does not require any batteries. Head swivels for easy handling.

### Features:

- ISO, E1
- ASA scale 6 – 12000
- Shutter scale 60 seconds – 1/2000th sec.
- Aperture (*f*) scale 1 – 90
- Cine scale (fps) 8 – 128 fps
- EV scale 1 – 20 exposure value
- Footcandle scale: 0 – 1.25M (when using the high slide multiply the needle reading by 32 to obtain footcandles)

Standard Accessories: Lumisphere, Lumidisc, Lumigrid, high slide, case.

Basic Operation of Meter: (Refer to illustration throughout.) To change from Lumisphere to Lumidisc or Lumigrid, turn Lumisphere counter-clockwise until dots on Lumisphere are aligned with dots on the meter. Gently pull out. Place new accessory by aligning dots and turning clockwise to secure. SET ASA by turning the film sensitivity selector knob until the ASA (EI – Exposure Index) for your film appears in the ASA scale window, opposite the ASA mark. Remember to add or subtract exposure adjustments for FILMO, BOLEX, Cannon Scoopic, or filter factors, if any.

For Incident Light Reading: From position of subject, point Lumisphere in direction of camera. Hold meter erect and press stopper button. Meter needle deflects. Release stopper button and the needle becomes fixed at the deflected position. If the meter needle deflects beyond scale, insert the high slide in slot behind the Lumisphere.

Read the footcandle indication of the meter needle. Transfer footcandle value to dial scale. Rotate the dial ring and set the footcandle reading against the white triangle symbol (L). If the high slide has been inserted, set the footcandle reading against the red triangle symbol (H).

At this time, the fps cine scale and aperture scale combination becomes the correct exposure. 24 fps is indicated by a red line extending from the cine scale (between 18 and 32 fps). If you are filming at 24 fps, read the f-stop opposite the red line on the aperture scale (i.e., with the high slide inserted ASA, (ISO, E1) #, the meter indicates 80 footcandles. At ASA 40, the correct exposure at 24 fps is f8; at 64 fps the exposure is f4.5, etc.)

Lighting Contrast Ratio (key + fill to fill alone): From subject position, point Lumisphere (the Ball) at the camera. Note the needle points to 320 footcandles (fc) Continuing to aim the meter at the camera, and using your hand, block the light from the key-light instrument and note the reading from the fill light, 80 fc. The needle has swung 2 full f-stops, therefore, the lighting contrast ratio is 4:1 (the key plus fill put out 4 times as much light as the fill).

## SEKONIC STUDIO DELUXE L - 398 cont'd

Reflected Light Measurements and Brightness Range: Mount Lumigrid on meter. Make sure high slide is not inserted in slot directly behind it. Point Lumigrid directly toward part of subject to be measured. Make sure that meter shadow, etc. does not interfere. Press stopper button and read meter scale footcandle indication. Transfer footcandle value to dial scale. Rotate the dial ring and set the footcandle reading against the red triangle symbol (H).

At this time the fps cine scale and aperture scale combination becomes the correct exposure i.e., if the needle points at 160 footcandles and the meter is set at ASA 50, the correct exposure at 24 fps is f11. Please note that more accurate results using the reflected light measurement method can be obtained by using a Kodak 18% reflective gray card – see elsewhere in this handbook for a brief description. For brightness range hold meter close to subject.

Using Exposure Multipliers (x1/2, x2, x4): Use the x1/2 when desiring to cut exposure to 1/2 (less) and x2 and x4 positions to multiply the exposure by 2 and 4 (more). Instead of the H and L marks, set the x1/2, x2, or x4 mark to the footcandle value.

Zero Adjustment: Completely cover Lumisphere with hand or black cloth to completely block out light. Press button. If the needle does not rest on zero, turn the zero adjustment screw on the back of the meter until needle rests on zero. If more than a full turn seems necessary, the meter needs to be recalibrated by Sekonic.