

WESTON<sup>®</sup>

XMI-2

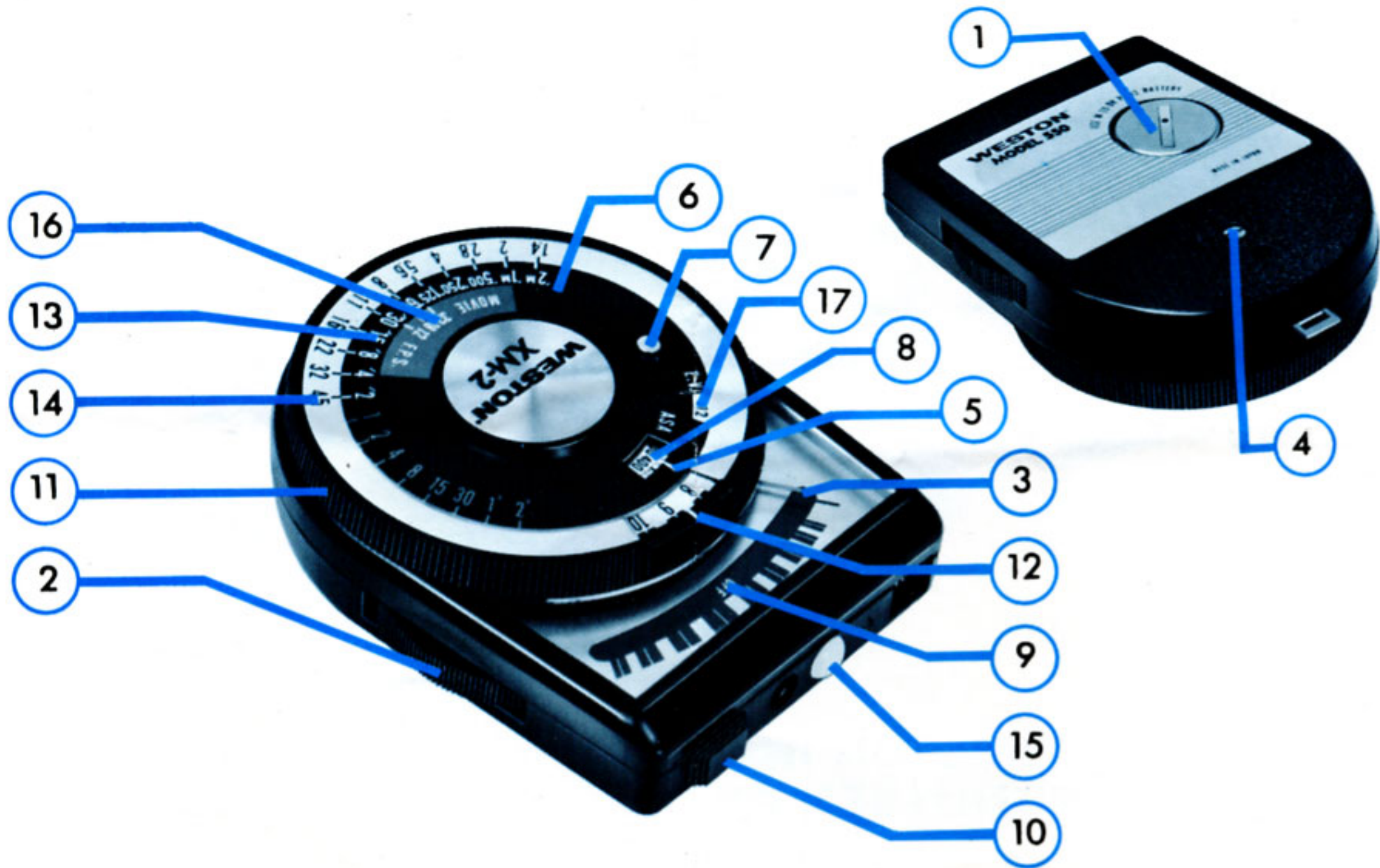
INSTRUCTIONS  
FOR THE  
WESTON

MODEL 550

**XM-2** CdS  
EXPOSURE METER

**METER DESCRIPTION**

1. Battery Cover
2. Scale Selector Switch
3. Pointer
4. Zero Corrector
5. Film Speed Index
6. Dial
7. Dial Knob
8. Film Speed Index Window
9. Scale Selector Window
10. Baffle Slide Switch
11. Outer Dial
12. Index Mark
13. Shutter Speed Scale
14. f/Stop Scale
15. Incident Light Diffusor
16. Movie Film Speed Scale
17. Exposure Value (E.V.) Scale



# XMM-2

## OPERATING INSTRUCTIONS

- 1. Install Battery** - Remove battery cover (1) with coin or screwdriver and insert battery with positive "+" side up and replace cover. It is advisable to remove battery for long storage periods.
- 2. Check Pointer Alignment** - With Scale Selector Switch (2) in "OFF" position, pointer (3) should be on zero. If pointer is off zero, insert screwdriver into zero corrector (4) and turn it clockwise, or counter-clockwise until pointer is on zero.
- 3. Set Film Speed** - Set film speed index (5) by rotating dial (6) with dial knob (7) until the index number (ASA) supplied with the film is visible in window (8) and aligned with the index mark.
- 4. Select Scale** - The Scale Selector Switch (2) has four positions as shown in window (9): OFF, BATTERY TEST, H (normal light), and L (low level light).
  - a. Battery Check** - To test the battery condition, switch to BATTERY TEST position and note pointer. Pointer should be on, or to the right of mark on the BATTERY TEST scale. If the pointer is to the left of the mark, replace the battery immediately.

**NOTE:** Place the Scale Selector Switch (2) in the "OFF" position when meter is not in use.
- 5. Reflected Light Measurements** - To measure reflected light, set baffle slide switch (10) to "REF" position and point the meter at subject. Set Scale Selector Switch (2) to "H" scale for normal light conditions. Note number on "H" scale, under pointer (3), and rotate outer dial (11) until index mark

# **XMM-2**

## **OPERATING INSTRUCTIONS**

(12) appears at the same number as the pointer reading. Select a shutter speed and f/Stop combination from the Shutter Speed Scale (13) and f/Stop scale (14), respectively.

6. **Incident Light Measurements** - Incident light readings are extremely useful for portraits, copy work and landscapes. To measure incident light, set baffle slide switch (10) to "INC" position, in order to place the diffusor (15) in front of the photocell. From the subject to be photographed, point the meter directly at the camera and note the reading on the scale (9) under the pointer (3). Rotate the outer dial (11) until index mark (12) appears at the same number as the pointer reading. Select a shutter speed and f/stop combination from the Shutter Speed Scale (13) and f/Stop scale (14).
7. **Movie Film Exposures** - When using the Weston XM-2 to determine proper exposure for movie film, proceed as follows:
  - a. **Determine Shutter Speed** - The correct shutter speed for your movie camera appears on scale (12), directly opposite MOVIE F.P.S. scale (16); generally 18 frames-per-second. Film speeds of 12 F.P.S. and 32 F.P.S. are also provided.
  - b. Perform a "reflected light" or "incident light" measurement, as described above, and note the f/Stop reading on scale (14), directly opposite the shutter speed determined in step a.
8. For cameras with E.V. (Exposure Value) settings, use scale (17).
9. For low level lighting conditions as usually encountered indoors, set Scale Selector Switch (2) to the "L" scale position.

**WESTON INSTRUMENTS, INC.**  
**614 FRELINGHUYSEN AVENUE, NEWARK, N.J. 07114**

WESTON

Schlumberger