

How to use your

WESTON MASTER

UNIVERSAL OR CINE EXPOSURE METER

with the

INVERCONE

INCIDENT LIGHT ATTACHMENT



*The Invercone is for use only
with WESTON MASTER and*

WESTON *Master II*
EXPOSURE METERS

THIS Invercone Attachment, consisting of two parts (an Integrating Cone and Auxiliary Multiplier) permits the user of any Weston Master or Master II Exposure Meter to extend the scope of his meter to embrace the Incident Light Method of exposure determination.

The Invercone is recommended particularly to determine camera exposure for REVERSAL materials, both colour and black and white.

THE spring catch on the Invercone is adjustable to ensure adaptability for any model of the Master or Master II Exposure Meter. It may be necessary to loosen the securing screws about half a turn and move the spring catch one way or the other to ensure a good fit in your Exposure Meter. Should any doubt be felt regarding this adjustment your photographic dealer will make it for you.

EASY TO ATTACH



1. For most indoor, and outdoor work where illumination is relatively low, simply open the meter's baffles and slip the Integrating Cone into place. (The Auxiliary Multiplier is not used).

2. Where the level of illumination requires the use of the meter's high light scale, open the baffles and insert the Auxiliary Multiplier . . . it returns the high scale to operative position.



3. Then snap the Integrating Cone into place over the Multiplier.

MEASURING INCIDENT LIGHT

Used **WITH** the Invercone the Weston Exposure Meters are designed to measure the light falling upon the subject.



MEASURING INCIDENT LIGHT

USING THE INVERCONE

The Invercone is used in Reversal Work, whether colour or black and white and in general photographic (negative making) where the photographer prefers this method. In colour negative work the reflected light method is recommended by some manufacturers.

The meter with Invercone in place should be directed towards **THE MAIN LIGHT SOURCE** from the subject position.

Having made an incident light measurement note the meter reading and use the exposure calculator in exactly the same manner as used when reflected light readings are taken, using the normal curve.

For scenes where it is impracticable to reach the subject position or

measure the light falling upon the subject. If the light at the camera position appears to be equal to the subject's illumination, take a reading of the light incident at the camera. When the light does not appear equal, detach the Invercone and take a conventional camera position Reflected Light Measurement.

Unlike reflected light exposure meters an incident light type of exposure meter must be calibrated for a scene of average light reflectance. The Invercone is so calibrated.

Note the following recommended Exposure Control Dial settings for typical scenes.

TYPE OF SCENE	DIAL SETTING
Normal, where there are no extremes of highlight or shadow. . . . groups of people, portraits or similar subjects. . . . ALL REVERSAL WORK WHETHER COLOUR OR BLACK AND WHITE.	Set Normal Arrow to reading obtained on the meter scale.
Flat lighted, such as landscapes where using black and white film.	Set the "A" position to the reading obtained on the meter scale.
Contrasty, dark object or subjects where good shadow detail is required.	Set the "C" position to the reading obtained on the meter scale.

These recommended Dial settings are for Universal Models. When using Cine models, for "A" position decrease aperture by one f. stop, or set brightness value to two units higher than indicated; for "C" position, increase aperture by one f. stop or set brightness value to two units lower than indicated.

*In very exceptional cases it may be desirable to modify the exposure slightly for this work. For example, for very dark subject with no important light tones, exposure maybe increased by up to one stop. Experience is the best guide and if in doubt no adjustment should be made.

CLEANING THE INVERCONE

Both the Integrating Cup and Auxiliary Multiplier may be cleaned with any mild soap in late warm water, using a soft cloth for wiping dry. The Multiplier must NOT be immersed in water.

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