



## OMEGA AREA INTEGRATOR FOR COLOR ANALYZERS

Catalog Number 429-158

TECHNICAL  
INFORMATION  
AND  
OPERATING  
INSTRUCTIONS

### DESCRIPTION

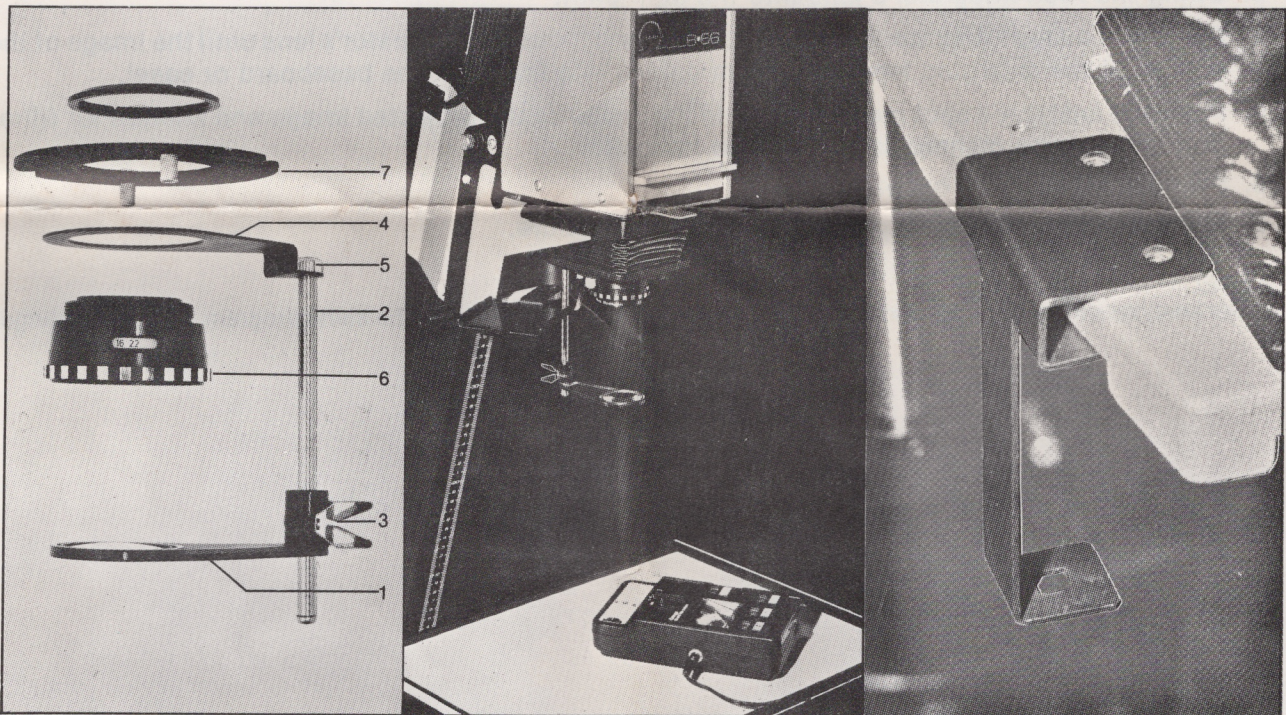
The Omega Area Integrator is a unique optical device that permits integrated (full area) readings with color analyzers originally designed for spot measurements only.

Integrated readings are extremely useful when printing photographs having a wide variety of colors, with no one color predominating. The Integrator's convenient swing-away feature (from under the enlarging lens) gives the user an instant choice of spot or integrated readings.

When the Integrator's lens is placed under the enlarging lens, it images the light at the nodal point (center) of the enlarging lens; thus the light passing through the lens is reduced to a small area on the baseboard or easel. Since the total "information" from the film is now concentrated in this small area, the probe of the color analyzer will produce a reading for the entire image area instead of merely a spot (such as a flesh tone).

### NOTE:

The Omega Area Integrator is designed for use with the 39mm rear diameter (Leica thread) lenses, and should be used with a threaded lensboard or lens stage.



Mounting the Omega Area Integrator to the enlarger (left) is achieved by simply inserting the mounting bracket between the lens and the lens board or lens stage. When mounted to the enlarger (center) the Omega Area Integrator images the light at the nodal point (center) of the enlarging lens to the baseboard or easel. When properly adjusted, this produces an image of the outline of the lens diaphragm. A D5 Adapter Bracket is available to facilitate use with the Omega D5 Enlarger in conjunction with the three lens turret (right).

### ASSEMBLY INSTRUCTIONS

1. Slide imaging lens (1) onto shaft (2) by squeezing elevation control (3).
2. Attach Leica thread lens mounting bracket (4) by aligning square hole onto squared end of shaft.
3. Lock mounting bracket in place by screwing knurled retaining screw (5) into shaft and tightening with a coin or screwdriver.
4. Place the Leica thread lens bracket (4) of the Area Integrator between the enlarging lens (6) and lensboard (7) and mount the lens to the lensboard or stage in the usual manner.

(OVER)

## D5 ADAPTER BRACKET ASSEMBLY INSTRUCTIONS

1. Assemble the D5 Adapter Bracket with the Area Integrator as described above by substituting the Adapter Bracket in place of the Leica thread lens mounting bracket.
2. Position the D5 Adapter Bracket at the left side of the lens stage and push it towards the bellows until the two holes on the bracket are aligned with the screw holes of the stage. Use of the two screws included is optional and is needed only if the installation is to be permanent.

### NOTE:

If the D5 Adapter Bracket fits loosely on the lens stage, place it on a counter against a wall, and compress the two tabs slightly to increase its spring tension. Using this procedure will help maintain the 90° angle of the bracket.

## OPERATING INSTRUCTIONS

1. With the Integrator's lens swung out of the light path, focus the image on the baseboard or easel at the desired elevation.
2. Close the lens down to its minimum aperture.
3. Swing the Area Integrator's lens into the light path.
4. Depress the Area Integrator's elevation control and focus the Integrator's lens until the image of the outline of the enlarging lens diaphragm comes into focus on the baseboard or easel.
5. Place the analyzer's spot reading probe in the center of the projected image and analyze for filtration in the same manner as without the Integrator.
6. Swing Area Integrator out of light path.
7. Make exposure reading according to normal procedure.

### NOTE:

Color analyzers must be programmed for integrated readings. **DO NOT** use the same program for spot readings.

Specifications subject to change without notice.

*Omega Division*

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