Epidiascope Vh 2

500/1000 WATTS

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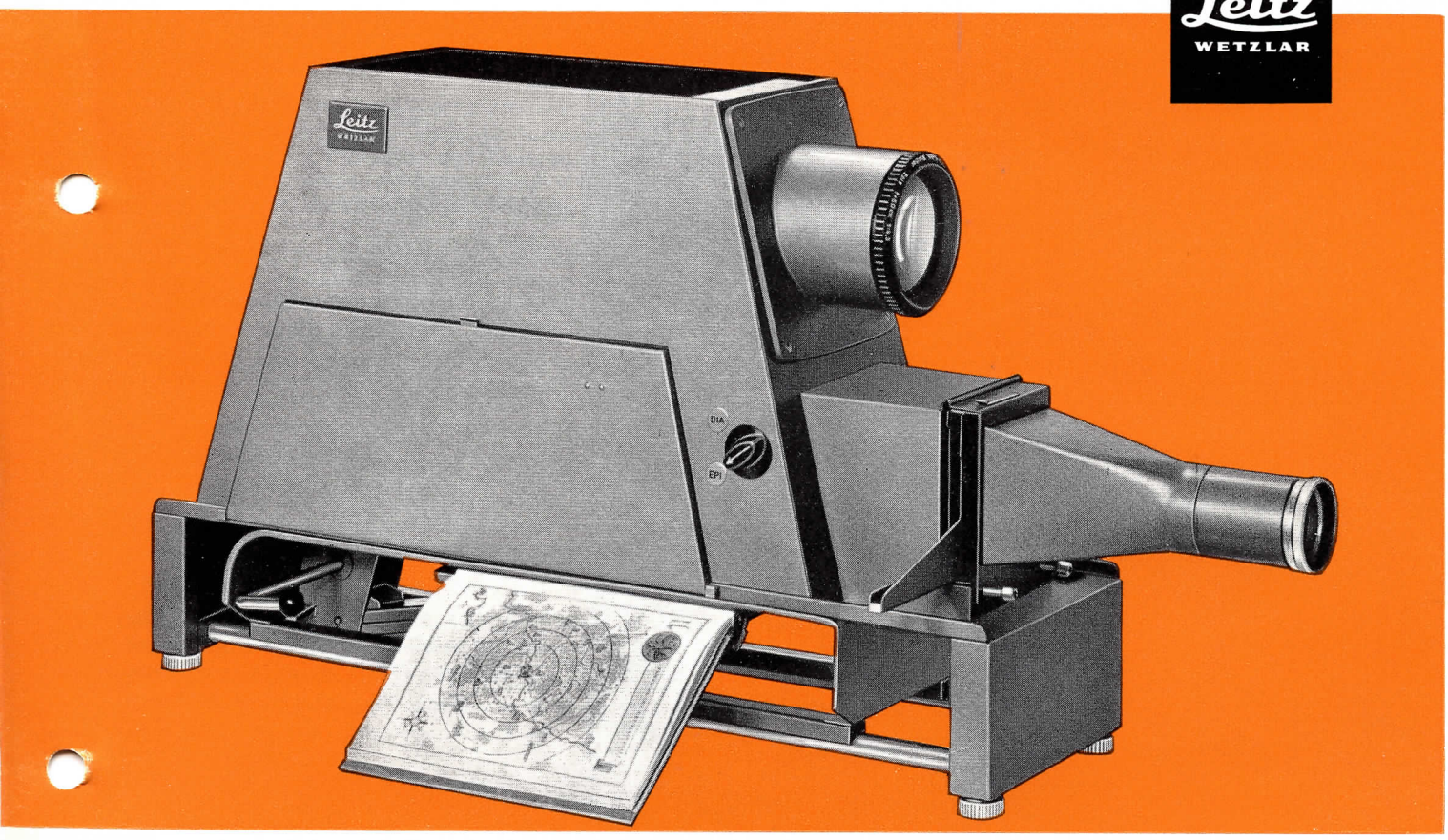

A Modern Visual-Aid for Lecture Hall and Classroom

330 – 3 / Engl.

Large 6 x 7 1/4" object area
Sliding object stage for projecting sections of originals
Increased screen brilliance
New tangential cooling system
Projection distances up to 26 ft.

Epidiascope Vh 2

LEITZ episcopes and epidiascopes have proved their worth through decades of practical classroom and lecture-hall experience.

Their unusually robust construction guarantees years of faithful service with excellent optical performance.

The model Vh 2 is the successor to the well-known Vh type. Salient features of this new design are increased screen brilliance, extended object areas, and the possibility of projecting larger originals by sliding displacement of the object stage. This eliminates the need to disturb the original itself.

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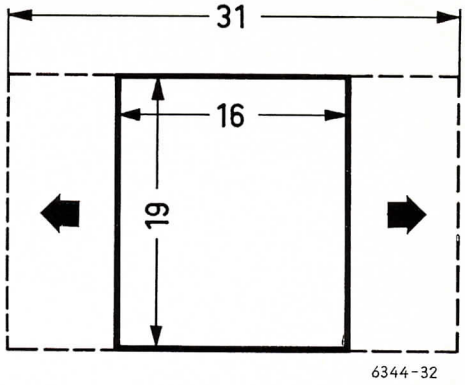
Episcopy

Definition and screen brilliance are dependent upon the technical arrangement of illumination and optical components in an epidiascope. The projection of episcopic (opaque) originals makes especially high demands of such an apparatus. These demands are ideally met by the illumination arrangement in the LEITZ Vh 2 epidiascope, in conjunction with highly corrected LEITZ projection anastigmats.

The light-beam from the projection lamp is concentrated on the object area by means of a reflector and three illuminating mirrors so that the entire area is evenly illuminated, from corner to corner. High-speed LEITZ projection anastigmats yield clear, brilliant screen images, free from distortion and with accurate color rendition.

A quietly running tangential blower, in conjunction with a special heat filter, provides optimum cooling of the episcopic object area. Projection lamp and blower are switched on and off by means of a common switch.

The episcopic object area measures 6″ (16cm) high by 7¼″ (19cm) wide. The sturdy, horizontally adjustable object stage permits the sectional projection of originals measuring up to 7¼″ x 12¼″ (19 x 31cm). The objects can thus be "driven" continuously without having to be turned round and repositioned at intervals. Since the object stage is adjusted horizontally together with the original, the projection lens remains at a fixed distance from the screen. No variations in image scale or definition can therefore occur on displacing a section of the original. Moreover, the object stage can be secured vertically in any position by means of a cam lever, thus enabling originals of various thicknesses to be projected. Printed, handwritten or drawn originals, books, tables, maps or atlases, to mention but a few examples, can therefore be projected in rapid succession.



Episcopic object area 7¼ x 12¼″ (19 x 31cm) provided by sliding object stage.

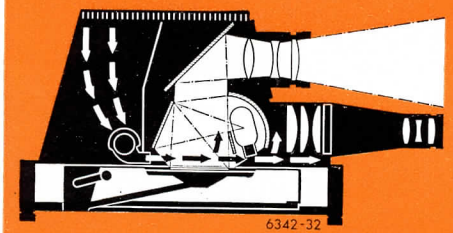
Diascopy

The slide attachment is detachable, thus enabling a model originally supplied solely for episcopic projection to be converted into an epidiascope. The large stage is designed to accept slides 3¼″x3¼″ (8.5 x 8.5cm), 3¼″ x 4″ (8.5 x 10cm) and 3½″ x 4¾″ (9 x 12cm). The optical illumination arrangement consists of a triple-lens condensor system.

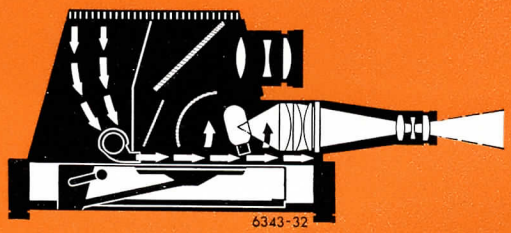
The transition from episcopic to diascopic projection is effected simply by turning a control knob.

Projection lamps

500 or 1000 watt projection lamps may be used, the latter in conjunction with a supplementary heat filter for the diascopic arrangement.



Episcopic ray path



Diascopic ray path

Projection Distance and Screen Size

The focal length of the lens for episcopy and diascopy should be selected according to the space available (or desired projection distance) and screen size. Lenses are so matched in the basic epidiascopic outfit, that the episcopic and diascopic images will be of comparable sizes.

Dimensions:

Base (width x length)	10⅝ x 35⅝″
Height	43″
Length with diascopic lens 1 : 4 / 200mm	23½″
Length with diascopic lens 1 : 4 / 250mm	45⅜″
Weight	84 lbs

Type of Projection	Projection distance in ft. (screen to face of apparatus base)				
Focal Length of Lenses	13	16	20	23	26
Episcopy	Screen size for episcopic side length 7¼″ (19cm)				
400mm object area 6⅝ x 7½″ (16 x 19cm)	6′	7′ 7″	9′ 2″	10′ 8″	
500mm object area 6⅝ x 7½″ (16 x 19cm)	4′ 9″	6′	7′ 3′	8′ 4″	9′ 8″
Diascopy					
Side length of slide 3⅜″ (8.5cm)	4′ 7″	6′	7′	8′ 2″	
200mm Side length of slide 3¹⁵⁄₁₆″ (10cm)	5′ 7″	7′	8′ 4″	9′ 10″	
Side length of slide 4¾″ (12cm)	6′ 9″	8′ 6″	10′ 4″	12′ 2″	
Side length of slide 3⅜″ (8.5cm)	3′ 7″	4′ 7″	5′ 7″	6′ 7″	7′ 7″
250mm Side length of slide 3¹⁵⁄₁₆″ (10cm)	4′ 3″	5′ 5″	6′ 7″	7′ 9″	9′
Side length of slide 4¾″ (12cm)	5′ 3″	6′ 7″	8′	9′ 6″	11′

Outfits

Epidiascope Vh 2 less lamp			Episcope Cat. No.	Epidiascope Cat. No.
with 400mm	EPIS	f/3.6	33 700	
with 400mm and 200mm	EPIS DIMAR	f/3.6 f/4		33 705
with 400mm and 250mm	EPIS DIMAR	f/3.6 f/4		33 715
with 500mm	EPIS	f/4.3	33 720	
with 500mm and 250mm	EPIS DIMAR	f/4.3 f/4		33 725

Design subject to alteration without notice.

Accessories

	Cat. No.
Projection lamp, 500-watt (pin base); please state voltage when ordering	37 707
Projection lamp, 1000-watt / 110 volts	37 706
Projection lamp, 1000-watt / 220 volts *	37 713
Heat filter for diascopic outfit in conjunction with 1000-watt lamp	37 840
Variable transformer, 500-watt, 220 / 110 volts	37 500
Fixed transformer, 1000-watt, 220 / 110 volts	37 501
Variable transformer, 1000-watt, 220 / 110 volts	37 502
Protective dust-cover on request	

* 110 volt lamps yield more intense light than 220 volt lamps.

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