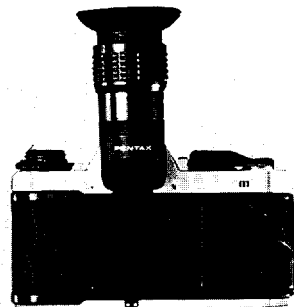
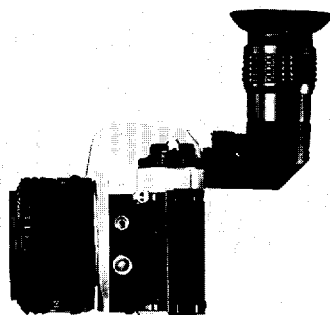
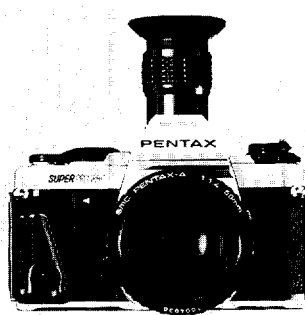


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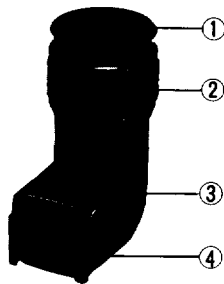
# REFCONVERTER

MODEL AV

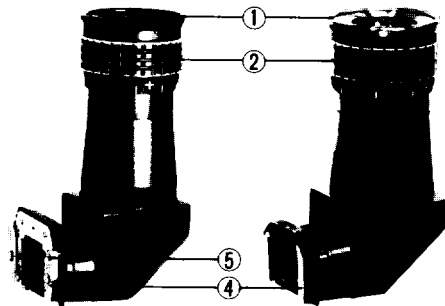


## REFCONVERTER-A

1. Eyepiece
2. Diopter Adjustment Ring
3. Magnification Selector
4. Attachment Frame
5. Lock Lever



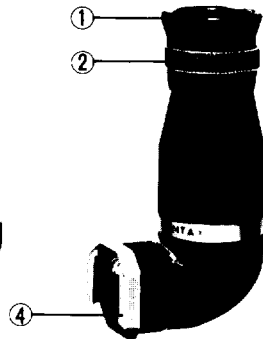
## REFCONVERTER-II



For general use.

For use with the Bulk  
Film Magazine Back.

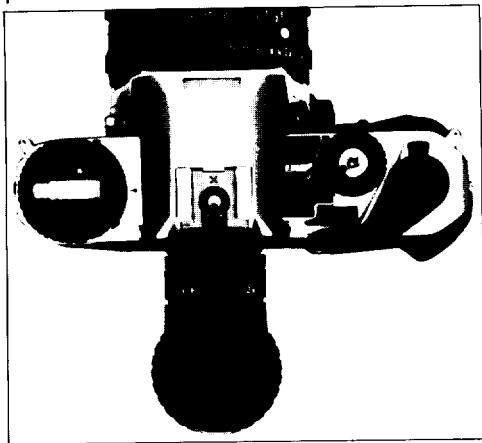
## REFCONVERTER



## SPECIFICATIONS

	<b>Refconverter-A</b>	<b>Refconverter-II</b>	<b>Refconverter</b>
CAMERA MODEL	Pentax LX, ME-F, Super Program, ME SUPER, MG, ME, MV, MV1, MX.	Pentax K2 DMD, K2, KX, KM, and S-series cameras.	Pentax S-series cameras, and the Pentax KM. (Not for use with ES, ESII, K2DMD, K2 or KX.)
MAGNIFICATION	1X or 2X.	1X	1X
IMAGE ORIENTATION	Unreversed, laterally correct.	Unreversed, laterally correct.	Unreversed, but laterally incorrect.
DIOPTRER ADJUSTMENT	Approx. +4 to -4 diopters.	Approx. +4 to -4.	Approx. +2 to -2.
DIMENSIONS	33 x 72 x 51mm.	32 x 80 x 49mm.	27 x 90 x 45mm.
WEIGHT	117g.	129g.	67g.
ACCESSORIES	Eyecup & case.	Eyecup & case.	Case.
ATTACHMENT METHOD	Slide onto camera eyepiece grooves.	Slide onto camera eyepiece grooves while squeezing the Lock Lever (model for general use only).	Slide onto camera eyepiece grooves.

## SPECIAL FEATURES



### Refconverter-A

1. When the white dot of the Magnification Selector is aligned with the figure "1X," the complete focusing screen of the camera is visible, as it is with all other Pentax Refconverters. However, for critical focusing, the Magnification Selector can be rotated so that the white dot is aligned with "2X," and the central area of the focusing screen will then be visible at two times magnification.

### Refconverter-II

Refconvert-II shares the following features with Refconverter-A: an unreversed and laterally correct image, the camera back cover can be opened and closed while the Refconverter is attached to the eyepiece of the camera, and the Refconverter comes with an accessory eyecup. Additionally, the Diopter Adjustment Ring is calibrated for simplified readjustment.

## DIOPTER ADJUSTMENT • ACCESSORY EYECUP

### Diopter Adjustment

2. As all Pentax Refconverters have a built-in diopter adjustment provision, there is no need for accessory diopter correction lenses.

To adjust the Refconverter to your eyesight, attach it to the eyepiece of the camera, and without focusing the lens, face a plain background. Next, while looking through the eyepiece of the Refconverter, rotate the Diopter Adjustment Ring until the microprism and ground glass areas of the focusing screen appear sharp. Once Refconverter-A has been adjusted, there is no need for readjustment of the Magnification Selector.

### Accessory Eyecup

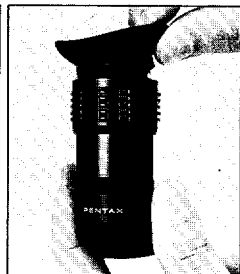
3. The eyepiece frame of Refconverter-A and Refconverter-II is made of rubber and easily removed (simply pull it off with your fingers).

Once the rubber eyepiece frame is removed, it can be replaced with the accessory eyecup. Use of the eyecup is recommended for non-eyeglass wearers as it will block out extraneous light and make the Refconverter easier to work with.

2



3



## APPLICATIONS

### Low Angle Shots

1. When desiring to use the camera at low angles, such as when photographing insects and flowers, you will find the Refconverter extremely helpful. This is particularly so when the camera is resting on the ground or floor.

1



2



3



### High Angle Shots

2. Refconverter-A and Refconverter-II are also useful when desiring to obtain high angle shots, such as when working in crowds; however, this application is not possible with the standard model because the image is reversed from left-to-right (laterally incorrect).

### Special Applications

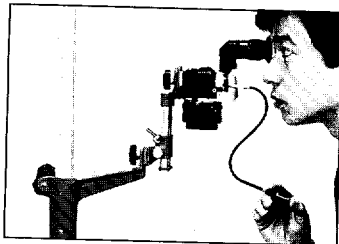
**3-4.** In special applications, such as photomicrography, astrophotography, and copying, the camera may be at an angle inconvenient to use without a Refconverter.

### Candid Photography

**5-6.** You will also find Refconverter-A and

Refconverter-II useful aids when desiring to photograph others without their knowledge. Use of the Refconverter will allow you to face the camera at the subject while you appear to be looking elsewhere. (The standard Refconverter, however, cannot be used for this application for the same reason explained in 2).

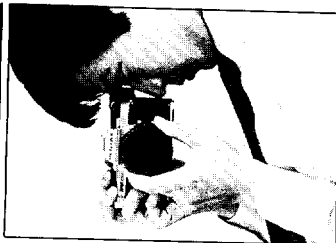
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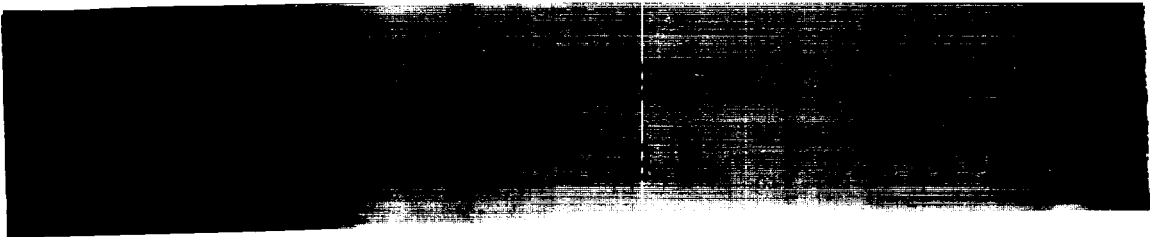


5



6





06386 ENG

Specifications are subject to change without notice.

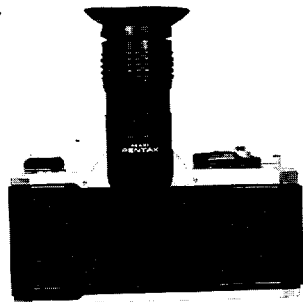
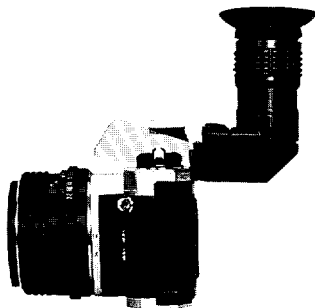
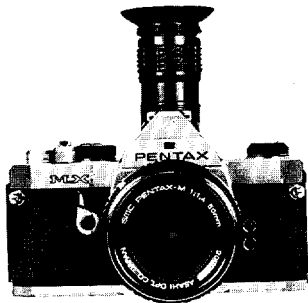
1983 Printed in Japan



**ASAHI  
PENTAX**

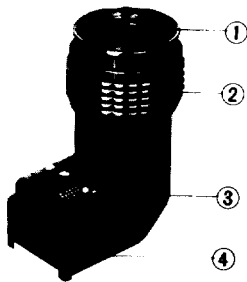
# REFCONVERTER

(STANDARD MODEL, MODEL-II, MODEL-M)



## REFCONVERTER-M

1. Eyepiece
2. Diopter Adjustment Ring
3. Magnification Selector
4. Attachment Frame
5. Lock Lever



## REFCONVERTER-II



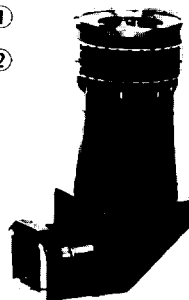
EYECUP

①

②

⑤

④



For general use.

For use with the Bulk  
Film Magazine Back.

## REFCONVERTER

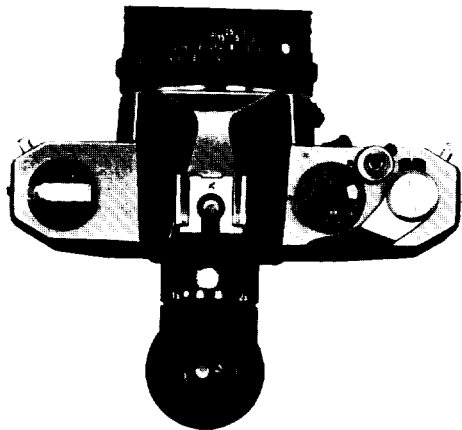


## SPECIFICATIONS

	<b>Refconverter-M</b>	<b>Refconverter-II</b>	<b>Refconverter</b>
CAMERA MODEL	Pentax MX, ME.	All Pentax cameras other than the MX & ME.	All Pentax cameras other than the MX & ME; however, Refconverter-II is recommended for use with the K2 DMD, K2, KX, ES, ES II.
MAGNIFICATION	1X or 2X.	1X	1X
IMAGE ORIENTATION	Unreversed, laterally correct.	Unreversed, laterally correct.	Unreversed, but laterally incorrect.
DIOPTER ADJUSTMENT	Approx. +4 to -4 diopters.	Approx. +4 to -4.	Approx. +2 to -2.
DIMENSIONS	33 x 72 x 51mm.	32 x 80 x 49mm.	27 x 90 x 45mm.
WEIGHT	117g.	129g.	67g.
ACCESSORIES	Eyecup & case.	Eyecup & case.	Case.
ATTACHMENT METHOD	Slide onto camera eyepiece grooves.	Slide onto camera eyepiece grooves while squeezing the Lock Lever (model for general use only).	Slide onto camera eyepiece grooves.

## SPECIAL FEATURES

1



4

### REFCONVERTER-M

**Illust. 1** When the white dot of the Magnification Selector (3) is aligned with the figure, "1X" the complete focusing screen of the camera is visible, as it is with all other Pentax Refconverters. However, for critical focusing, the Magnification Selector can be rotated so that the white dot is aligned with "2X," and the central area of the focusing screen will then be visible at two times magnification.

### REFCONVERTER-II

Refconverter-II shares the following features with Refconverter-M: an unreversed and laterally correct image, the camera back cover can be opened and closed while the Refconverter is attached to the eyepiece of the camera, and the Refconverter comes with an accessory eyecup. Additionally, the Diopter Adjustment Ring is calibrated for simplified readjustment.

## DIOPTER ADJUSTMENT • ACCESSORY EYECUP

### DIOPTER ADJUSTMENT

As all Pentax Refconverters have a built-in diopter adjustment provision, there is no need for accessory diopter correction lenses.

**Illust. 2** To adjust the Refconverter to your eyesight, attach it to the eyepiece of the camera, and without focusing the lens, face a plain background. Next, while looking through the eyepiece of the Refconverter, rotate the Diopter Adjustment Ring until the microprism and ground glass areas of the focusing screen appear as sharp as possible.

Once Refconverter-M has been adjusted, there is no need for readjustment when using the Magnification Selector.

### ACCESSORY EYECUP

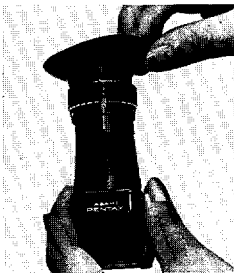
**Illust. 3** The eyepiece frame of Refconverter-M and Refconverter-II is made of rubber and easily removed (simply pry it off with your fingers).

Once the rubber eyepiece frame is removed, it can be replaced with the accessory eyecup. Use of the eyecup is recommended for non-eyeglass wearers as it will block out extraneous light and make the Refconverter easier to work with.

2



3



## APPLICATIONS

### LOW ANGLE SHOTS

**Illust. 1** When desiring to use the camera at low angles, such as when photographing insects and flowers, you will find the Refconverter extremely helpful. This is particularly so when the camera is resting on the ground or floor.

1



2



3



### HIGH ANGLE SHOTS

**Illust. 2** Refconverter-M and Refconverter-II are also useful when desiring to obtain high angle shots, such as when working in crowds; however, this application is not possible with the standard model because the image is reversed from left-to-right (laterally incorrect).

## SPECIAL APPLICATIONS

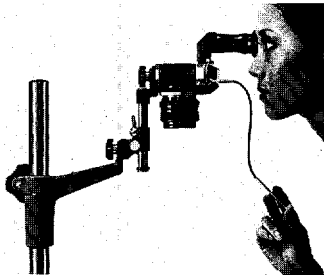
**Illust. 3-4** In special applications, such as photomicrography, astrophotography, and copying, the camera may be at an angle inconvenient to use without a Refconverter.

## CANDID PHOTOGRAPHY

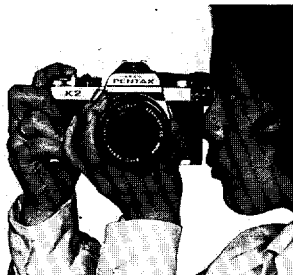
**Illust. 5-6** You will also find Refconverter-M and

Refconverter-II useful aids when desiring to photograph others without their knowledge. Use of the Refconverter will allow you to face the camera at the subject while you appear to be looking elsewhere. (The standard Refconverter, however, cannot be used for this application for the same reason explained in Illust. 2).

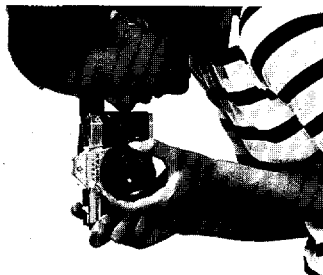
4



5



6





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