



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for POLAROID MP-4. You'll find the answers to all your questions on the POLAROID MP-4 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual POLAROID MP-4**  
**User guide POLAROID MP-4**  
**Operating instructions POLAROID MP-4**  
**Instructions for use POLAROID MP-4**  
**Instruction manual POLAROID MP-4**



## **Photomacrography with the MP-4**



**Exposure Guide**

**Selecting the right lens for photomacrography**

**Basic Focusing Steps**

**Magnification Tables**



**[You're reading an excerpt. Click here to read official POLAROID MP-4 user guide](http://yourpdfguides.com/dref/3866522)**  
**<http://yourpdfguides.com/dref/3866522>**





.....  
 ....  
 .... 3 l.  
 5X .....

.....  
 ....  
 3 1/2 2X .....

.....  
 ....  
 ... 4 3X ..

.....  
 ....  
 . 5 4X ....

.....  
 ....  
 ..... 5 1/2 5X .

.....  
 ....  
 ..... 6 6X ...

.....  
 ....  
 ..... 6 1/2 7X, 8X .....

.....  
 ....  
 ..... 7 9X, 10X ...

.....  
 ....  
 .. @@@@1/2 f/5.6 ..

.....  
 ....  
 . 1 f/8 ....

.....  
 ....  
 ..... 2 f/11 ...

.....  
 ....  
 .. 3 f/16 .....

.....  
 ....  
 ..... 4 f/22 ....

.....  
 ....  
 5 f/32 .....

.... 6 When setting the lens between two f-stops, use half numbers.

@@@@@@@@@The longer the focal length, the more space you have between the subject and the lens. For example, with the 75mm lens at full bellows extension (about 3x), the space between the lens and the object would be about 4 inches (10 cm). To achieve the same magnification with the 50mm lens, the space between the lens and object would be a relatively cramped 1.5 inches (4 cm). Approximate Magnification Ranges Lens 135mm 105mm 75mm (min. =2x) 50mm (min.=2x) 35mm (min.=5x) 1:1 1:5x 2x 3x 4x 5x 6x 7x 8x 9x 10x 12x 14x Lens 8x 10x 12x 14x 16x 18x 20x 22x 24x 26x 28x 30x 32x 17mm (min.=10x) Code: camera alone with one macro extension with two macro extensions Basic Focusing Steps To focus, set the lens aperture at its largest

opening (smallest f-number). Then follow these basic steps. With the magnification tables: 1. Select the appropriate table according to the MP-4 camera head you are using. 2. Find the lens-to-film distance (bellows extension) to give the desired magnification. 3.

Adjust the camera bellows until the lens-to-film distance appears. 4. Move the camera head as close as possible to the object. Then raise the head slowly until the image appears sharp. 5. Compose the picture within the appropriate scribe marks on the ground glass. 6. Lock the camera on the column. 7. Insert the film holder and set the exposure.

Without the magnification tables: To focus without using the magnification tables, adjust the bellows extension to get the approximate image size. Then move the camera head up or down (or use a focusing stage) for sharp focus. The bellows extension determines magnification. @@@@\*\*Add two macro extensions. .



[You're reading an excerpt. Click here to read official POLAROID](#)

[MP-4 user guide](#)

<http://yourpdfguides.com/dref/3866522>