

TELESCOPIC AUTO TUBE 65-116



Summary

- This unique Telescopic Auto Tube functions as a portable bellows for outstanding versatility and convenience in outdoor macrophotography, medical close-up photography, etc.

Main Characteristics

- It telescopes in a direct outward motion, minimizing the risk of frightening animal or insect subjects.
- It allows automatic aperturing (with the Zuiko MC Macro 135mm F4.5 and 1:1 Macro 80mm F4, 50mm F3.5 and other 50mm~200mm OM system lenses).
- Magnifications can be continuously changed between infinity and 0.43X for the Auto Macro 135mm. With the Telescopic Auto Tube, this lens can also be used for telephotography at infinity as an ordinary 135 mm telephoto lens.
- The 80mm F4 macro lens has a magnification range with the Auto Tube from 0.5X to 1.2x which can be further extended to 1X-2X in conjunction with the close-up lens 80mm macro.

Notes · Related Units

- In close-up photography the depth of field is so small that pinpoint focusing and lens apertures of F8 or smaller are needed for good results.
- When a tripod is used, make sure to connect the tripod to the Auto Tube.
- The Auto Tube can be used either for vertical or horizontal formats.
- In conjunction with a T10 Ring Flash 1, the Auto Tube permits flash photography of extremely close-up subjects.
- This unit can be used with any OM lenses between 50mm and 200mm.
- This unit should be used after locking the Auto Tube extension.
- Focusing screens 1-4, 1-10, 1-11 and 1-12 are recommended for use with the Auto Tube.
- Do not use two Auto Tubes or more simultaneously or an Auto Tube in conjunction with extension rings.

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Stock number (s) shown on next page

● **Automatic Diaphragm Lever**
This lever closes down the lens diaphragm to the preselected aperture at the moment the shutter is released.

● **Tube Release Button**
Press this button and turn the Auto Tube 70° clockwise to detach from the camera. During mounting (after aligning red dots), the button should not be pressed.

● **Extension Ring (B)**

● **Extension Ring (A)**

● **Magnification Indications**

Magnification indications are engraved on the extension rings A and B for 135 mm and 80mm, macro lenses. In addition a scale from 65mm to 116mm in increments of 5mm is graduated as a guideline for use of other lenses.



Tubes are compressed down to 65mm.

● **Meter Coupling Lever**
This lever transmits selected apertures to the exposure meter.



Tubes are extended all the way up to 116mm.

● **Body Mount Ring**

Actual size

● Main Specifications

Camera: OM bodies.

Lens mount: OM Mount bayonet type (rotation angle 70°).

Lenses: OM System lenses between 50mm and 200mm.

Extension range: 65mm to 116mm (2.6" to 4.6").

Focusing: Directly outward telescoping motion with lock at any position (locking rotation angle 15°).

Automatic aperture control: Bayonet mount for interlocking with lens diaphragm and meter coupling lever for automatic stop down control and exposure metering.

Tripod mount: Accepts any tripod, allowing photography at any angle.

Magnification indication: For automatic aperturing with Zuiko MC Auto Macro 135mm and MC Auto-1:1 Macro 80mm lenses; with scale from 65mm to 115mm in 5mm increments.

Photographic ranges: ∞ to 0.43×... Zuiko MC Macro 135mm F4.5

0.5× to 1.2×... Zuiko MC 1:1 Macro 80mm F4

1× to 2×... Zuiko MC 1:1 Macro 80mm F4 + Close-up lens 80mm Macro.

Dimensions and weight: 70mm diam. × 65mm (2.8" diam. × 2.6"), 325g (11.5 oz.)

Tripod mount: 100g (3.5 oz.)

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● Slide Ring

Rotate the slide ring in the direction of the arrow to lock, and reverse to unlock and adjust the extension until the desired magnification is obtained. The extension ring (A) should be extended after the ring (B) is fully extended only when necessary.

● Lock Index



● Lens Mount

Accepts any OM lenses between 50mm and 200mm.

● Tripod Mount

Rotatable through 360° so that the camera can be set at any angle. This mount can be removed from the Auto Tube, for more convenient hand-held photography.

● Clamping Screw

Loosen this screw to turn the Auto Tube for vertical or horizontal position.

● Tripod Socket

Actual size

OBJECT AREA (mm)	240×360	120×180	80×120	48×72	24×36	12×18	8×12	4.8×7.2	3×4.5	2×3
MAGNIFICATION	0.1X	0.2X	0.3X	0.5X	1X	2X	3X	5X	8X	12X
PROFESSIONAL METHODS	∞ X	ZUIKO MC MACRO 50mm F3.5								
		TELESCOPIC AUTO TUBE 65-116+ZUIKO MC MACRO 135mm F4.5		TELESCOPIC AUTO TUBE 65-116+ZUIKO MC1:1 MACRO 80mmF4+CLOSE-UP LENS80mm MACRO		TELESCOPIC AUTO TUBE 65-116+ZUIKO MC MACRO 20mmF3.5				
			0.43X						5.8X	8.3X
SUBSTITUTE METHODS		STANDARD LENS AUTO EXTENSION TUBES 7								
			14							

The automatic aperture diaphragms built in these lenses should be stopped down as much as practicable in case of the substitute methods.