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OM10

E G F S

OLYMPUS

**OM10
QUARTZ**

**INSTRUCTIONS
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
INSTRUCCIONES**

TABLE OF CONTENTS

We appreciate very much that you have acquired an OM-10 QUARTZ, a camera designed to allow you to take good pictures automatically and with the greatest ease, automatically recording the date (coded "year-month-day") or the time ("day-hour-minute") as desired on the film simultaneously with the shutter release.

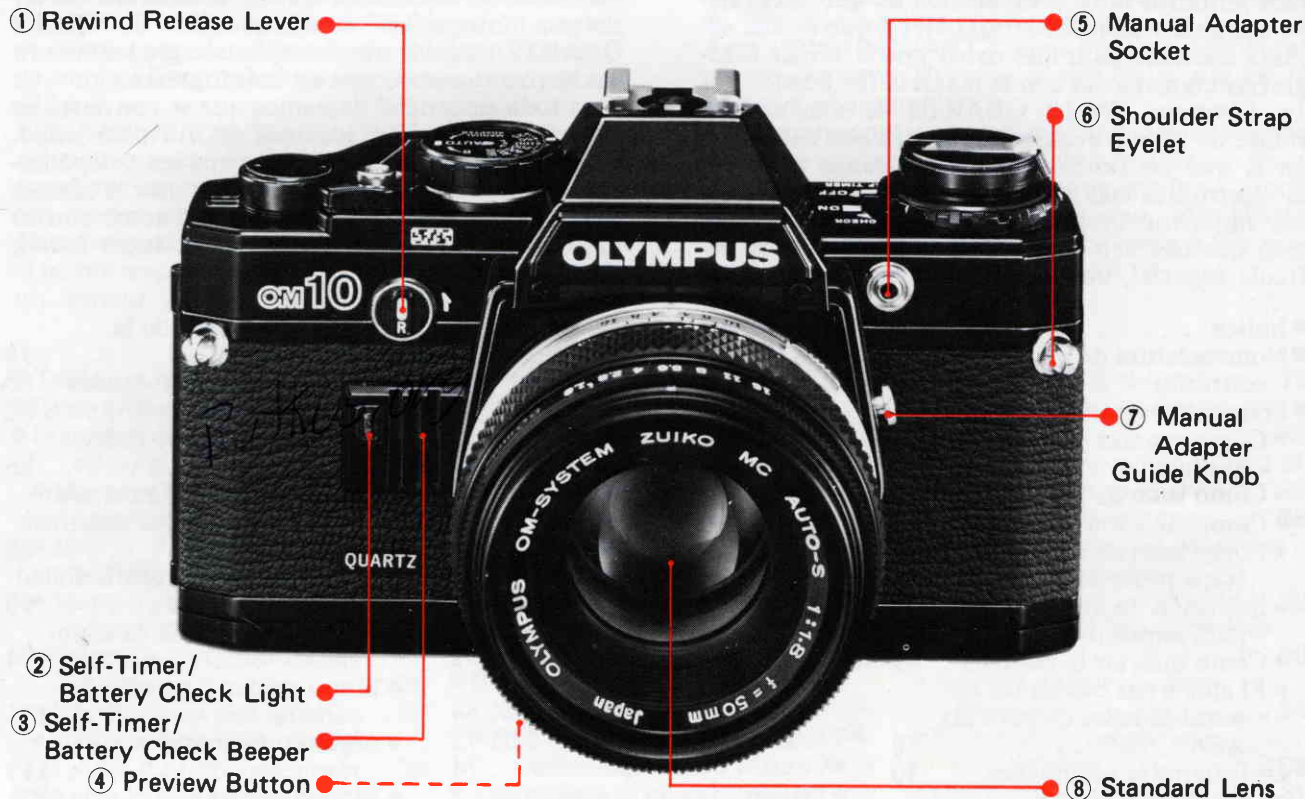
The Olympus OM-10 QUARTZ is a single lens reflex camera of the finest quality in which the automation of photographic functions has been made possible by employing the most advanced electronics. To its acceptability of Olympus inter-

changeable lenses, a special film winder, a flash, and a host of other accessories are added to make it a complete system of photography. With the OM-10 QUARTZ you can gradually widen your enjoyment of the photographic art.

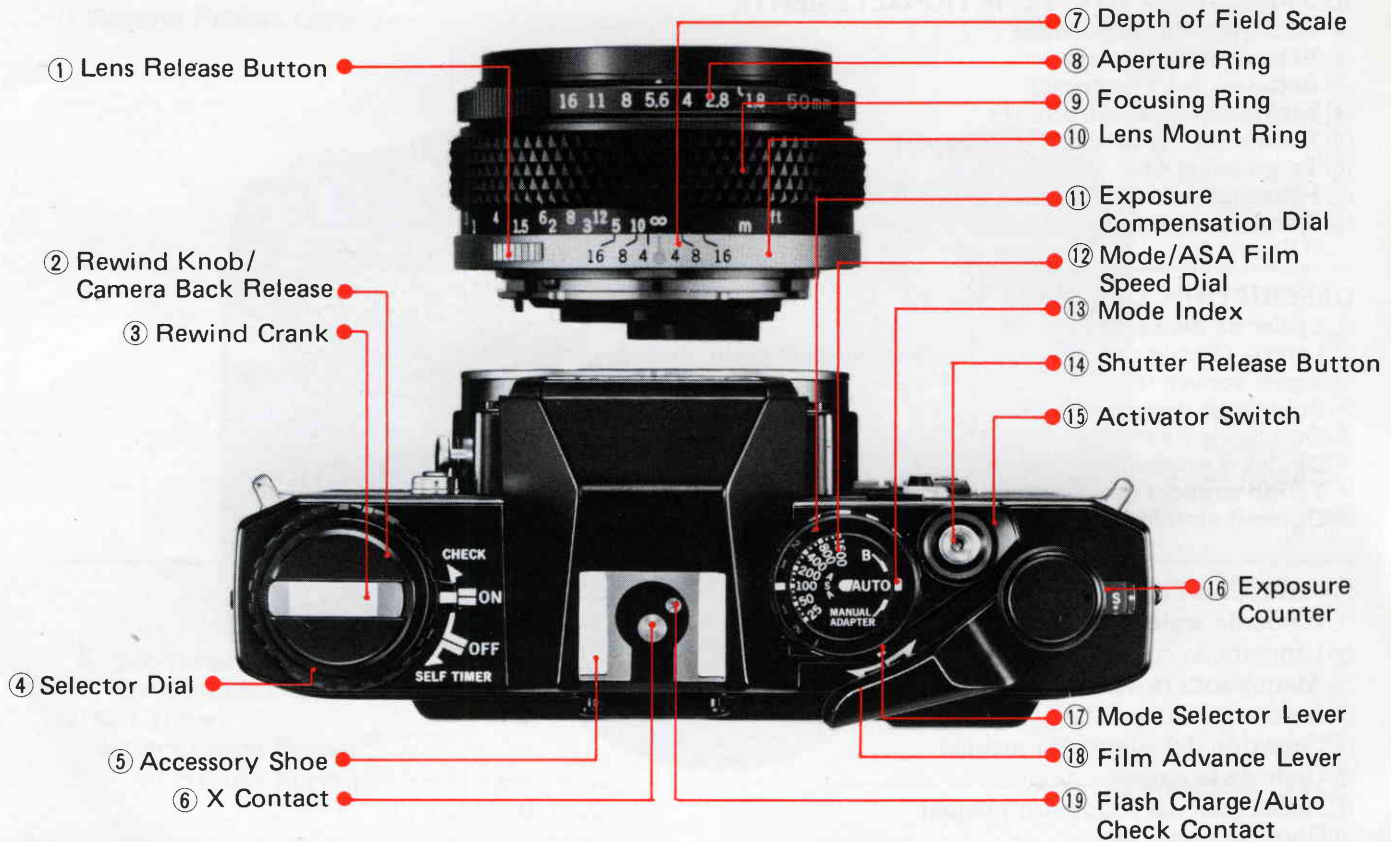
We sincerely wish that it will become for you a source of unending satisfaction. To this effect, please read this instruction manual carefully before using the camera, so that you may be sure of taking correct, beautiful pictures every time you use your OM-10 QUARTZ.

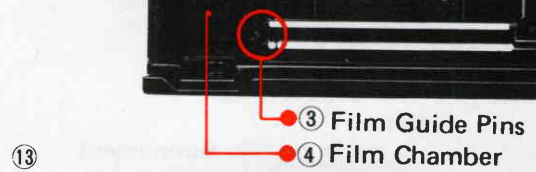
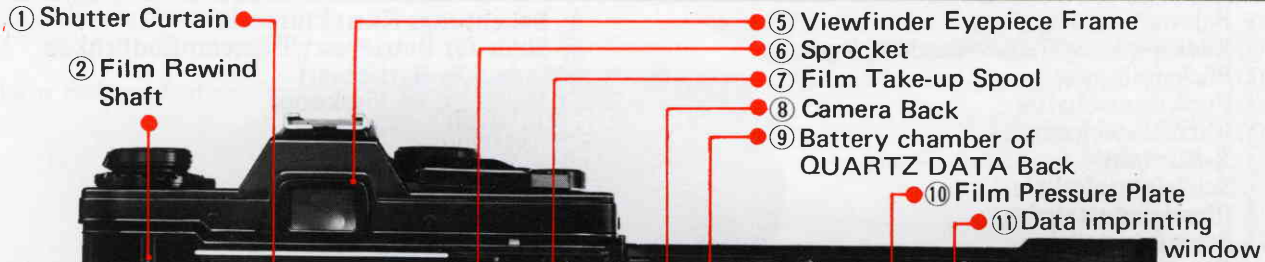
● Table of Contents	1	● Taking Pictures Automatically	35	● Photography with Shutter-Speed Priority	75
● Description of Controls	5	● The OM-10 QUARTZ: Designed to Save Battery Consumption	39	● Exposure Compensation	77
● Preparations before Taking Pictures	11	● Switching the Camera Off	41	● Long Exposures	79
● Mounting and Detaching the Lens	13	● Rewinding the Film	43	● Flash Photography	81
● Inserting the Batteries	15	● Unloading the Film	43	● Using the Winder 2	85
● Checking the Batteries	15	● The Use of the Self-Timer	45	● From General Photography to the Use of Interchangeable Lenses	87
● Inserting the Batteries (for the Camera Back)	17	● Imprint the Date	47	● Making Use of the Depth of Field	89
● Selection of Imprint Data	19	● Control Buttons and Their Functions	49	● Manual Exposure Control	93
● Loading the Film	21	● Adjustment of the Date and Time	53	● Care and Storage of the Camera	99
● Setting the ASA Film Speed	27	● Photographic Techniques	72	● Questions and Answers	107
● The Way to Automatic Photography	29	● Controlling the Exposure	73	● Main Specifications	115
● Setting the Aperture	31				

DESCRIPTION OF CONTROLS

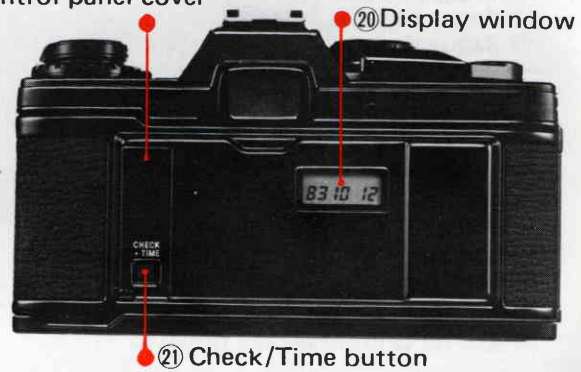
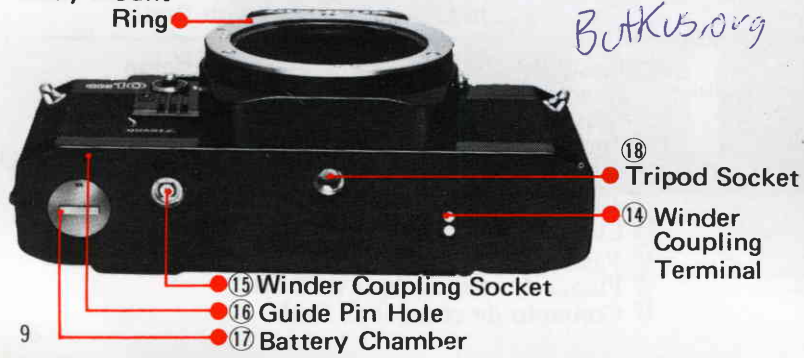


DESCRIPTION OF CONTROLS





Butkus.org



PREPARATIONS BEFORE TAKING PICTURES

The OM-10 QUARTZ's circuits
are powered by two 1.5V alkaline-manganese or silver oxide batteries.
Without them, the shutter of this electronic
single lens reflex camera will not function.
And the Data Back requires own batteries.

This section
is devoted to explaining the preparations
which you must go through before proceeding to take pictures.
Please keep in mind that they are indispensable
for obtaining good results.

AUFNAHMEVORBEREITUNGEN

Die Stromversorgung der OM-10 QUARTZ erfolgt über zwei 1,5 V Silberoxidbatterien. Auf korrektes Einlegen der Batterien achten, da der Verschluß dieser elektronischen Spiegelreflexkamera sonst nicht funktionsfähig ist. Und der Data-Back benötigt eigne Batterien. In diesem Abschnitt werden die vorbereitenden Schritte vor der ersten Aufnahme erklärt. Ein sorgfältiger Einprägen dieser Hinweise ist für ein wandfreie Ergebnisse unerlässlich.

PREPARATIONS AVANT LA PRISE DE VUES

Les circuits de l'appareil OM-10 QUARTZ sont alimentés par 2 piles Alcaline au Manganèse ou à l'Oxyde d'Argent de 1,5V. Sans elles, l'obturateur de cet appareil reflex-direct électronique ne fonctionnera pas; d'autre part, l'ensemble nécessite ses propres piles. Cette partie du mode d'emploi est consacrée à l'explication des opérations préliminaires que vous devez accomplir avant la prise de vues. Veuillez vous rappeler qu'elles sont indispensables pour obtenir de bons résultats.

PREPARATIVOS PARA FOTOGRAFIAR

Los circuitos de la OM-10 QUARTZ reciben energía de dos pilas de óxido de plata de 1,5 voltios. Esta cámara reflex de objetivo único, electrónica, no funcionará sin dichas pilas. El Data Back requiere sus propias pilas. Esta sección está destinada a explicar los preparativos que deben preceder el acto de fotografiar. Le rogamos tener en mente que son indispensables para obtener buenos resultados.

MOUNTING AND DETACHING THE LENS



① Remove the body cap and the rear lens cap.*



② Remove the front lens cap.

* If you have purchased an OM-10 QUARTZ in conjunction with a lens, the body cap and rear lens cap are not provided.



③ Mount the lens.



④ Detach the lens.

INSERTING THE BATTERIES/CHECKING THE BATTERIES

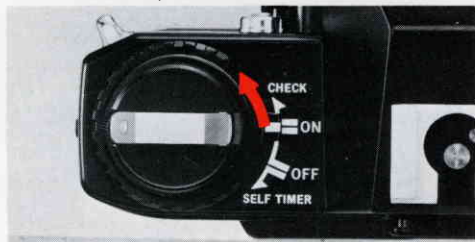


- ① Remove the cover of the battery chamber.



- ② Insert two 1.5V alkaline-manganese batteries LR44 (A76).
③ Replace the cover.

(NOTE) Two 1.5V silver oxide batteries SR44 (Eveready EPX-76) or equivalents can be also used.



- ① Move the selector dial to "CHECK".



- ② A beeping sound is heard and the battery check light turns on.
③ After the check set back the dial.

(Attention)

If no sound is heard and the light does not turn on, the batteries have not been correctly inserted, or their charge is exhausted. In this case they must be replaced.

INSERTING THE BATTERIES (FOR THE CAMERA BACK)

- ① Use two 1.5V alkaline-manganese batteries LR44 (A76) or two 1.5V silver oxide batteries SR44 (Eveready EPX-76 or equivalents).

INSERTING THE BATTERIES.

See pp 53–70 for setting the time or date.

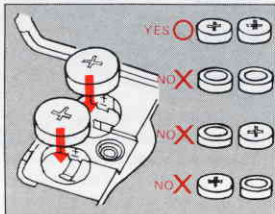
Two 1.5V batteries
(Positive (+) up)



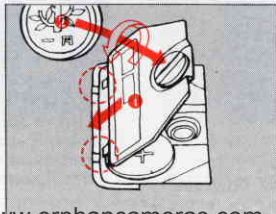
LR44 (A76 or
SR44 (EPX-76)

Alkaline-manganese batteries should last for about one year, and silver oxide batteries for about 2 years.

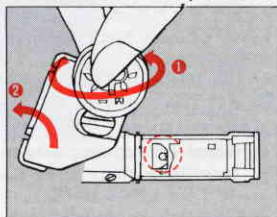
- ③ Insert the batteries.



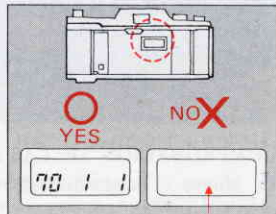
- ④ Insert the two tabs of the cover into the notches, and clamp the cover with screw.



- ② Unscrew the battery cover.

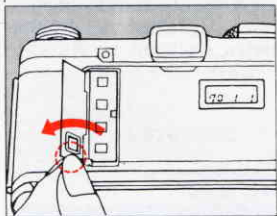


- ⑤ Upon correct insertion of the batteries, the display window indicates 70-1-1.



SELECTION OF IMPRINT DATA

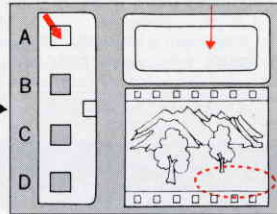
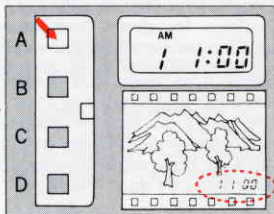
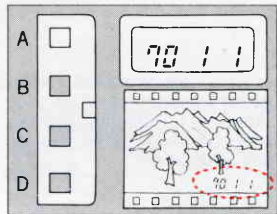
- ① Flip up the control panel cover.



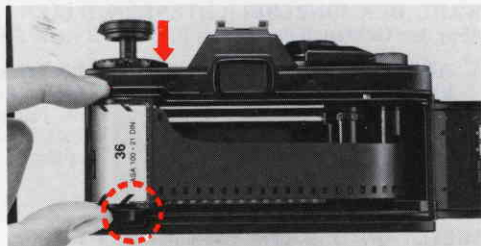
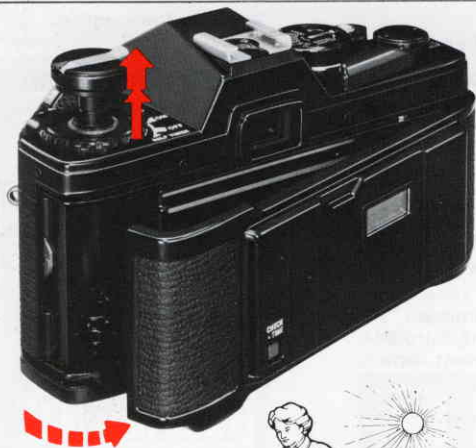
*See p. 47 and following for use of the buttons B, C & D.

- ② To imprint the time: Press "A" until the date appears. AM or PM can not be imprinted.

- ③ To prevent date imprinting: Press "A", until there is no visible readout. **NO REC**



LOADING THE FILM

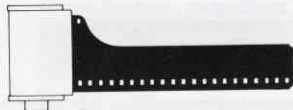


② Load the film.

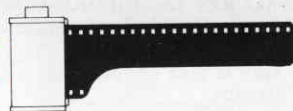


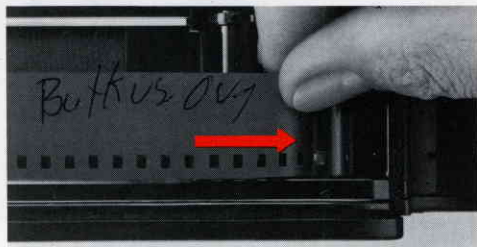
① Open the camera back.
(Never load or unload
the camera in direct
sunlight.)

YES 



NO 



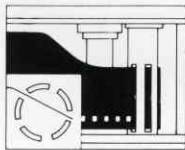


- ③ Insert the film leader in one of the slots of the take-up spool.

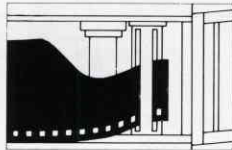


- ④ The film leader must not be excessively drawn out.

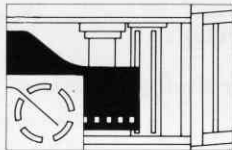
YES ○



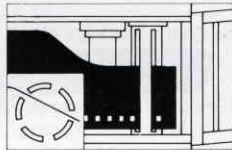
NO X (The film leader is twisted.)

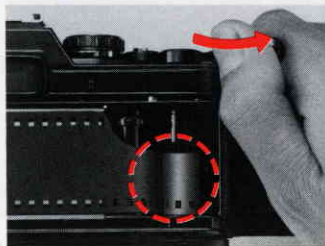


NO X (The film leader does not enter completely.)

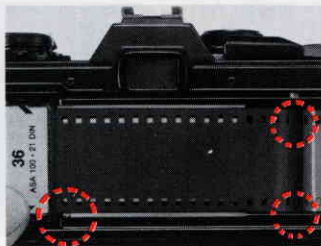


NO X (The film leader is excessively drawn out.)



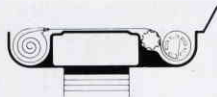


⑤ Wind the film once.

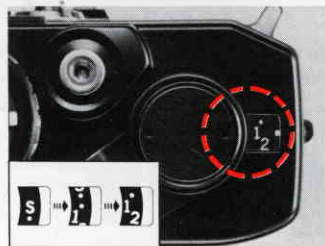
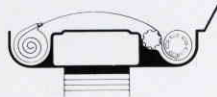


⑥ The perforations of the film must engage with the sprocket teeth. Make sure it is well tense, and close the back.

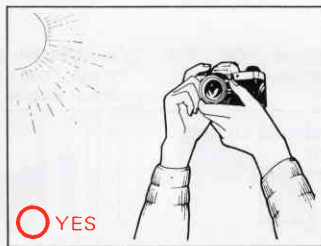
○ YES



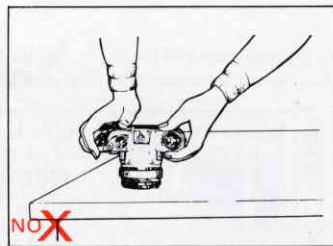
✗ NO



⑦ Take blank shots until the exposure counter shows "1".



(Way of taking blank shots)



This instance is not suitable for taking blank shots since the automatic exposure control built in the OM-10 QUARTZ prolongs the exposure time.

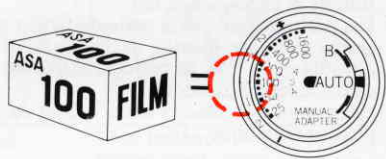
SETTING THE ASA FILM SPEED



① Set the ASA film speed.



② (The ASA film speed dial is set at ASA 100.)



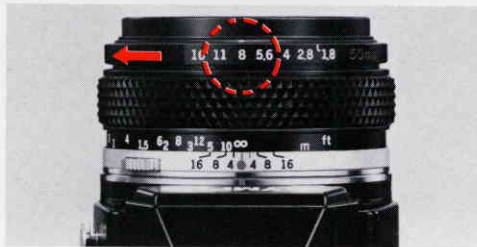
THE WAY TO AUTOMATIC PHOTOGRAPHY

All the problems
of exposure are electronically taken care
by the OM-10 QUARTZ.

It is a single lens reflex camera
which can be set for automatic control of exposure,
and when set so taking correctly exposed,
beautiful pictures could not
be simpler.

SETTING THE APERTURE




Free from [BUTKUS.org](#)



① Set the desired aperture.

② Confirm that the camera is set at the "AUTO" position.

(Aperture guideline)

Weather			
F/stop	16	8	4

NOTE: To make full use of the aperture ring, read page 73.



- ③ Set the selector dial at the "ON" position.



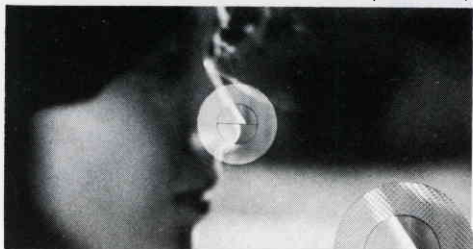
- ④ The proper shutter speed lights up in the viewfinder.

TAKING PICTURES AUTOMATICALLY



① Focus.

* To imprint data, refer to page 47 and the following



② Out of focus.

NO **X**



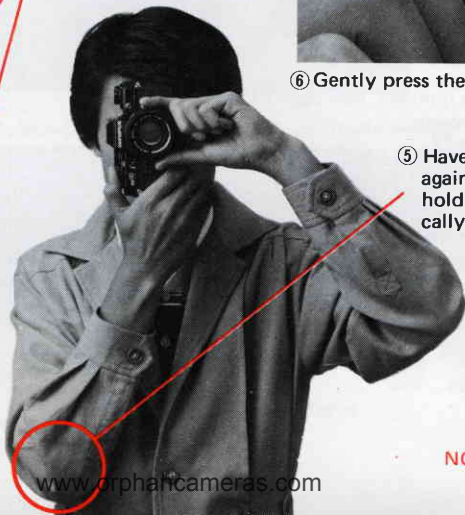
③ Correct focus.

YES **O**

- ④ When holding the camera horizontally, make sure to press your elbows against your body.



- ⑥ Gently press the shutter release button.



- ⑤ Have your elbow pressed against your body when holding the camera vertically, too.



THE OM-10 QUARTZ: DESIGNED TO SAVE BATTERY CONSUMPTION

< When the selector dial is turned to the "ON" position ... >

Energy flows from the alkaline-manganese or silver oxide batteries and a light appears by the shutter speed scale in the viewfinder. However, this light will go off automatically after 90 seconds, to prevent unnecessary battery consumption.

< When the activator switch is touched ... >

With a light touch on the activator switch, energy will begin flowing again, and the light which had gone out after 90 seconds will turn on again.



SWITCHING THE CAMERA OFF

< When the selector dial is set at the "OFF" position ... >

No energy will be supplied to the camera's circuits and the light will not turn on. However, if you forget to turn the selector dial to the "ON" position and suddenly you press the shutter release button, energy will flow only during the time the shutter is open, and properly exposed photographs can be taken. Once the picture is taken, all circuits are disconnected as a safety measure to prevent unnecessary battery consumption.

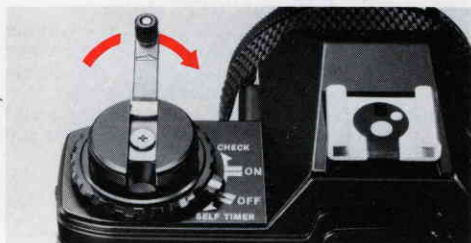


Move the selector dial to the "OFF" position when you are not going to take any more pictures.

REWINDING THE FILM/UNLOADING THE FILM



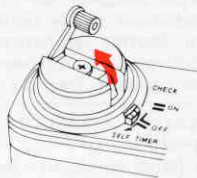
- ① Turn the rewind release lever when the film ends.



- ② Keep rewinding the film until you feel no more resistance.



- ① Open the back and unload the film.



THE USE OF THE SELF-TIMER



- ① Click the selector dial to the position "SELF-TIMER".
- ② Press the shutter release button.



- ③ A beeping sound is heard and the self-timer light blinks. The shutter will be released after about 12 seconds.
- ④ Return the selector dial to its original position.

IMPRINT THE DATE

The OM-10 QUARTZ incorporates an LSI circuit. Once the date is correctly set, it keeps the time up to the year 2009, automatically correcting for leap years as well as the number of days in month. (Accuracy within 15 seconds per month at 15° C to 35° C [50° F to 95° F]);

POUR IMPRIMER LA DATE

Un circuit intégré LSI est incorporé à OM-10 QUARTZ, une fois que la date est correctement réglée, elle reste juste jusqu'en l'an 2009, tenant compte de pte de la longueur des mois et des années bissextiles. (Sa précision est supérieure à ± 15 secondes par mois, entre 15° C et 35° C).

AUFDRUCK DES DATUMS

Der OM-10 QUARTZ ist mit einem LSI-Schaltkreis ausgestattet, der die Zeit bis ins Jahr 2009 hält, wenn das Datum einmal richtig eingestellt ist. Schaltjahre und die Anzahl Tage pro Monat werden automatisch korrigiert. (Der Genauigkeitsbereich liegt innerhalb von ± 15 Sekunden pro Monat bei einer Temperatur zwischen 15° C und 35° C.)

Impresión de la fecha

El mecanismo de cuarzo de la OM-10 QUARTZ incorpora un circuito de integración en gran escala (LSI). Una vez ajustada correctamente la hora y la fecha, sigue marcándola con precisión hasta el año 2.009, haciendo automáticamente las correcciones para los años bisiestos y los días de cada mes. (Su precisión es de ± 15 segundos por mes a temperatura entre 15° y 35° C).

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Impresión de la fecha

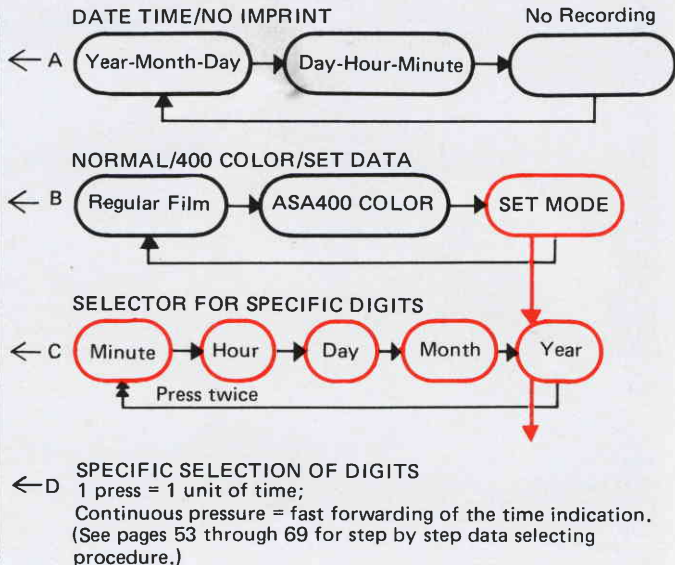
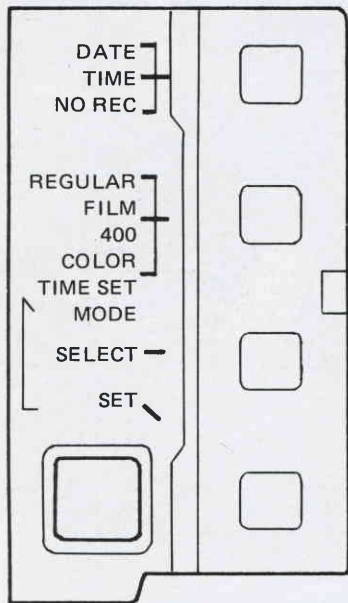
El mecanismo de cuarzo de la OM-10 QUARTZ incorpora un circuito de integración en gran escala (LSI). Una vez ajustada correctamente la hora y la fecha, sigue marcándola con precisión hasta el año 2.009, haciendo automáticamente las correcciones para los años bisiestos y los días de cada mes. (Su precisión es de ±15 segundos por mes a temperatura entre 15° y 35°C).



82 7 19

CONTROL BUTTONS AND THEIR FUNCTIONS

Control panel

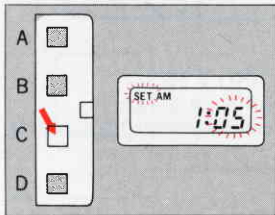


ADJUSTMENT OF THE DATE AND TIME

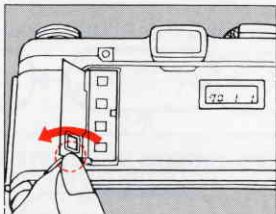
For instance, set "10:15 AM Oct., 12th '83" in the following steps:

Set the minute.

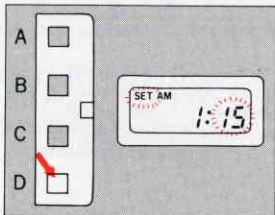
- ③ Press Button C once and the minute indication blinks. If you miss this mode continue pressing Button C until the minute blinks.



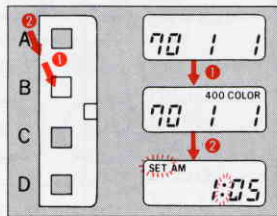
- ① Flip up the control panel cover.



- ④ Press Button D repeatedly until the minute indicates 15. 1 pressure = 1 minute. Continuous pressure = fast forwarding of the minute indication. To set the time accurately up to the second, see page 69.

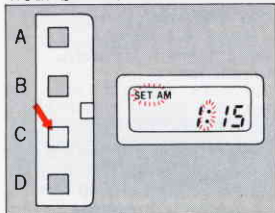


- ② Press Button B twice and the sign SET starts blinking. If you miss the blinking mode by pressing too many times, continue pressing Button B until the SET sign blinks.



Adjust the hour.

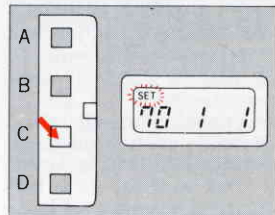
- ① Press Button C once and the hour blinks.



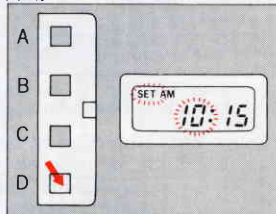
Pay attention to the AM or PM indication, which changes at 12 o'clock.

Adjust the day.

- ③ Press Button C once and the day blinks.



- ② Press Button D repeatedly until the hour indicates 10 AM.

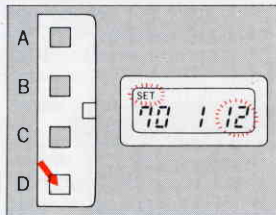


1 press = 1 hour.

Continuous pressure = fast forwarding of the hour indication.

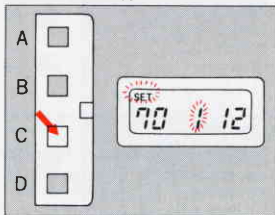
- ④ Press Button D repeatedly until the day indicates 12.

1 press = 1 day.
Continuous pressure = fast forwarding of the day indication.



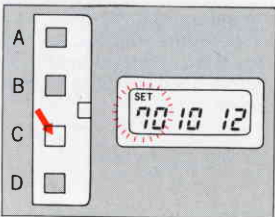
Adjust the month.

- ① Press Button C once, and the month blinks.

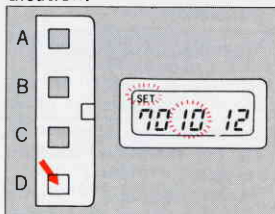


Adjust the year.

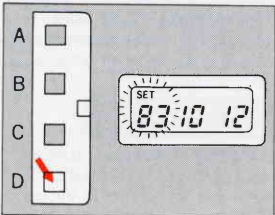
- ③ Press Button C once and the year blinks.



- ② Press Button D repeatedly until the month indicates 10 (= Oct.). 1 press = 1 month. Continuous pressure = fast forwarding of the month indication.

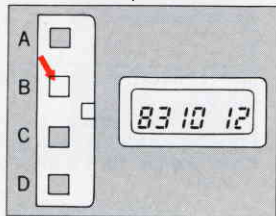


- ④ Press Button D repeatedly until the year indicates 83. 1 press = 1 year. Continuous pressure = fast forwarding of the year indication.



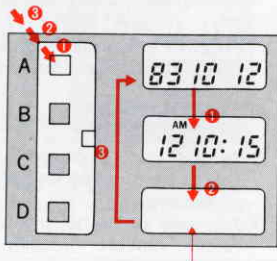
Release the SET MODE.

- ① After complete setting of the date and time, press Button B.
Now set the present date and time correctly.



Confirm the present date and time.

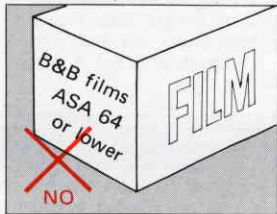
- ② Press Button A repeatedly to confirm the settings.
If the display window fails to show data during setting of the date and time, press Button A for data display.



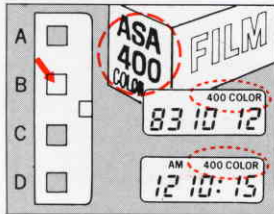
TAKING A PICTURE

FILM SPEED SETTING.

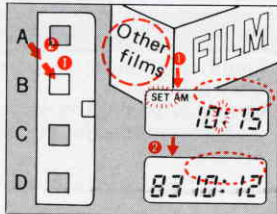
- ① B&W films ASA64 or lower cannot be used for imprinting. No data can be imprinted due to low sensitivity of these films.



- ② When ASA 400 color film is used: Press Button B once.

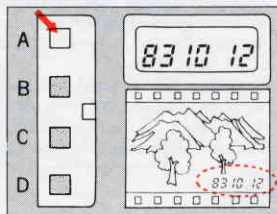


- ③ If the Back is set for 400 color, and you are using a different film, press "B" until the "400 COLOR" disappears.

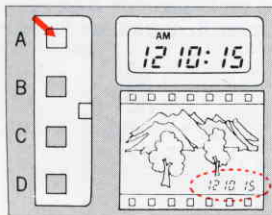


SELECTION OF
IMPRINT DATA.

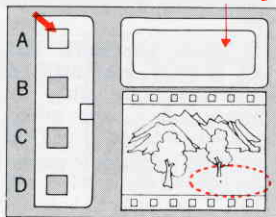
- ① To imprint the date: Press "A" until the date appears.

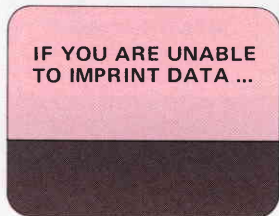


- ② To imprint the time: Press "A" until the date appears. AM or PM can not be imprinted.

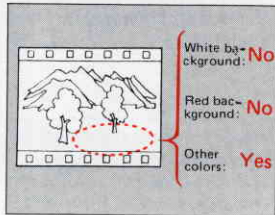


- ③ To prevent date imprinting: Press "A" until there is no visible readout. **NO REC**

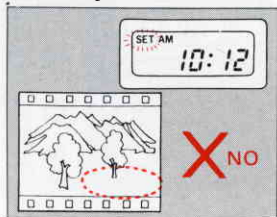




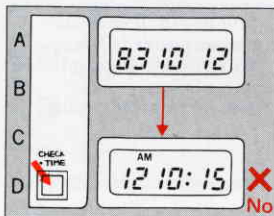
- ① Check the color of the imprinting area.



- ② NOTE: No data can be imprinted while the "SET" sign is blinking.

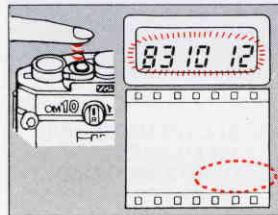
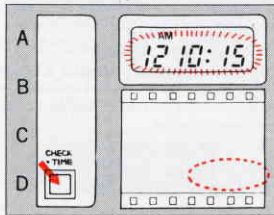


- ③ No data can be imprinted while you are pressing Button D.



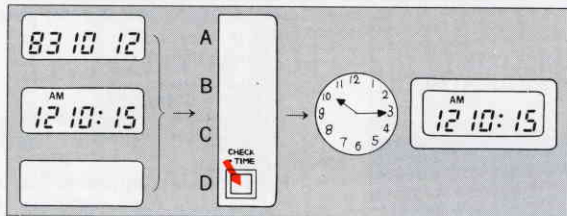
**WHEN TO REPALCE
THE BATTERIES:**

- ① If the data indication blinks when you press Button D or after taking a picture ...
No data can be imprinted.
Recommended to replace the batteries.



**HOW TO DISPLAY
THE TIME.**

- ① If you press Button D, the display window indicates the time for as long as the button is pressed.

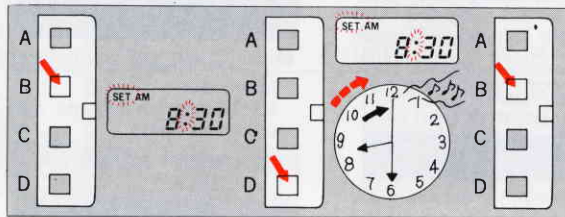


**ACCURATE ADJUST-
MENT OF THE SECOND.**

Adjust the second if
required, before setting
the minute.

- ① Press Button B to blink the "SET" sign → Press Button D to synchronize with the correct time → Press Button B to

release the SET mode at the exact start of the indicated minute.





HOTOGRAPHIC TECHNIQUES

The various functions of the OM-10 QUARTZ and the wide variety of lenses, flash, winder and system accessories which can be used with it allow you to fully master all the techniques which automatic photography can make possible. We shall devote the following section to some of these photographic techniques.

AUFNAHMEMETHODEN

Die elektronischen Steuerfunktionen der OM-10 QUARTZ, unterstützt durch Wechselobjektive und Systemzubehör wie Winder und Compter-Blitzgerät, erlauben alle Aufnahmetechniken, die für eine Belichtungsautomatik anwendbar sind. Einige dieser Methoden werden im nachfolgenden Abschnitt dargestellt.

TECHNIQUES PHOTOGRAPHIQUES

Les fonctions multiples de l'appareil OM-10 QUARTZ la grande variété des objectifs interchangeables, flashes, réarmeur, et les accessoires du Système OM qui peuvent être utilisés, vous permettent de maîtriser complètement toutes les techniques que la photographie automatique autorise. Nous consacrerons la section suivante à quelques-unes de ces techniques photographiques.

TECNICAS FOTOGRAFICAS

Las diversas funciones de la OM-10 QUARTZ y la gran variedad de objetivos intercambiables, unidades de flash y de avance motorizado, junto con los accesorios del Sistema OM que se pueden utilizar le permitirán dominar plenamente todas las técnicas que el control automático de la fotografía hace posibles. La sección que sigue explica algunas de estas técnicas.

CONTROLLING THE EXPOSURE



When taking pictures in a place which is either too dark or too bright, even if you follow the aperture guidelines given on page 31, there will be a tendency to result in whitish photographs (overexposure), or darkened ones (underex-



posure), or even blurred images. In these circumstances, make full use of the aperture ring in order to control exposure so as to obtain properly exposed photographs.

- ① When a red light turns on in the red zone at the top of the shutter speed scale it indicates overexposure.
- ② In such a case, turn the aperture ring to the higher f-numbers until the light appears within the proper exposure range.
- ③ When the light appears below "30" (1/30 of a second), blur may easily occur.

- ④ In this case, use a tripod or turn the aperture ring to the lower f-numbers until the light goes higher within a range in which blur is not likely to occur.
- ⑤ When the light appears at "1" (1 sec.), the shutter speed is 1 sec. or longer. In such a case turn the aperture ring to the lower f-numbers within the proper exposure range.

PHOTOGRAPHY WITH SHUTTER-SPEED PRIORITY



Ⓐ With a shutter speed of 1/1000 second.

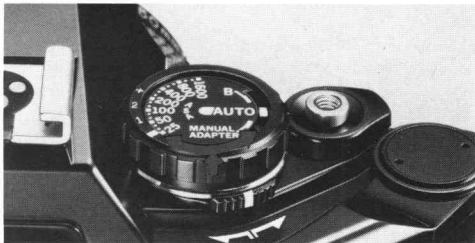


Ⓑ With a shutter speed of 1/15 second.

When photographing fast moving subjects, there is a marked tendency to obtain a blurred image of the subject. This can be made use of as a technique to give the impression of movement, by intentionally allowing the image to be blurred, while making use of the shutter speed priority function.

Pictures taken with this technique offer an interesting challenge. Turn the aperture ring until the light in the viewfinder appears by the shutter speed value suitable for the photographic situation, and then press the shutter release button.

EXPOSURE COMPENSATION



When shooting against the light, or if the subject is standing before a window, the face tends to appear dark on the image. In this case, use the exposure compensation dial to obtain a correctly exposed photograph.

- ① Lift the compensation dial and change the film speed set on the dial (within ± 2). By this means, it is possible to obtain high or low key effects. (+) is for high key (overexposure) and (-) is for low key (underexposure). However it is not possible to obtain (-) compensation for ASA 1600 or the (+) compensation for ASA 25.
- ② When you finish taking the picture, return the compensation dial to its original position.



Ⓐ Before compensation



Ⓒ (For example, ASA 100 compensated +2 full stops.) Ⓑ Compensated +2 full stops.

CONTROLLING THE EXPOSURE



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PHOTOGRAPHY WITH SHUTTER-SPEED PRIORITY



Ⓐ With a shutter speed of 1/1000 second.



Ⓑ With a shutter speed of 1/15 second.

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- ② When you finish taking the picture, return the compensation dial to its original position.



Ⓐ Before compensation



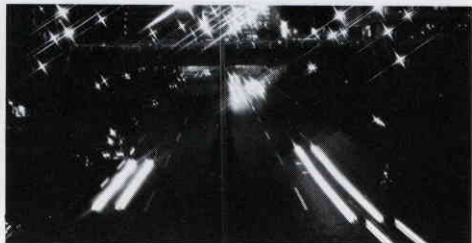
Ⓒ (For example, ASA 100 compensated Ⓑ Compensated +2 full stops.)

LONG EXPOSURES

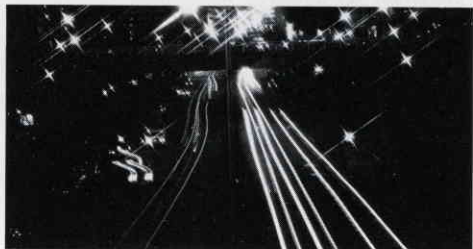


Indoors when it is dark, or when photographing at night, use the "BULB" setting and take the pictures by resorting to long exposures. Of course, blur can easily occur in long exposures so it is recommended to use a tripod and a cable release.

- ① Set the mode selector lever to B, and press the shutter release button.
- ② The shutter will remain open as long as the shutter button is being pressed.
- ③ Do not forget to reset at the "AUTO" position after you finish taking pictures.
- ④ For long exposure photography within 2 sec. (with ASA 100 film) however, you can take pictures on AUTO mode.



Ⓐ With a shutter speed of 2 seconds



Ⓑ With a shutter speed of 8 seconds

FLASH PHOTOGRAPHY



Electronic Flash
T32



Electronic Flash
T20

The T32 and T20 electronic flash units specifically designed for OM cameras provide artificial illumination when you take pictures at night or indoors.

< Characteristics of flash photography using the T32·T20 >

- ① Mount the Electronic Flash T32 (or T20) on the accessory shoe of the camera. When the ON-OFF switch of the T32 (or T20) is turned on, the normal auto flash control begins working. When turned off, it reverts to the camera's AE photography. It takes but a flick of a finger to change it from one to the other.
- ② When the ON-OFF switch of the T32 (or T20) is on, the shutter speed of the camera is automatically set at 1/60 sec.
- ③ You can verify when the flash is ready because a full charge signal lights in the viewfinder.
- ④ In addition to the charge signal automatically lighting at 1/60 sec. you can refer to the shutter speed indicated by another red light as required by the available light.

- ⑤ It is possible to check a correct flash exposure in the viewfinder if the signal light blinks.

(CAUTION)

- ① If any electronic flash other than the T32 and T20 is used, set the mode selector lever to the "MANUAL ADAPTER" position. (If the mode selector lever is set to "AUTO", the shutter speed responds to available light and may sometimes not synchronize with flash.)
- ② In this case, the viewfinder does not indicate the full flash charge and correct flash exposure.
- ③ For further information, refer to the instruction manual supplied with your electronic flash unit.
- ④ If an electronic flash is used while the optional Manual Adapter is attached, set the shutter speed at 1/30 sec. or slower. For details, read the instruction manual supplied with the Manual Adapter.

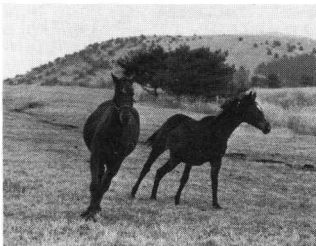
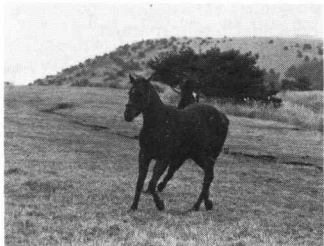


USING THE WINDER 2



Fast moving subjects, such as in sports, car racing, etc. make you wish to take pictures at a faster pace. The time spent winding the film may mean that a great chance is lost. In these cases, an accurate, reliable power winder for automatic film winding can well be the perfect answer, such as the Olympus Winder 2 which can be attached on the OM-10 QUARTZ very simply, and switched to the single or sequence mode photography. On single mode, it can wind film immediately after exposure, and on sequence mode, it can make sequential filming as fast as 2.5 frames per second.

It is not possible to use a Motor Drive 1 with the OM-10 QUARTZ. The viewfinder lights may turn off when using Winder 2 with your OM-10 QUARTZ. This is due to the special energy saving circuits built into the OM-10 QUARTZ. Simply touch the activator switch (collar surrounding the shutter release), and the light will turn on.



FROM GENERAL PHOTOGRAPHY TO THE USE OF INTERCHANGEABLE LENSES



The main characteristic of the single lens reflex camera is the possibility of using a plurality of different lenses on the same body. From photography with a standard lens to the feeling obtained with a telephoto lens by blurring the background or, on the other hand, by stressing the perspective, giving a special effect to the background by means of a wide angle lens, the world of images which unfolds before you with the OM-10 QUARTZ becomes richer and wider. Olympus Zuiko interchangeable lenses included in the OM System are highly reputed for their sharpness and resolving power.



Wide angle 28mm

MAKING USE OF THE DEPTH OF FIELD

When you have a subject in focus, there is a range in the fore and the background which is clearly defined in the picture. This range is called depth of field. The larger the F number becomes, the wider this clearly defined range becomes, and the background becomes sharper. On the contrary, the smaller the F number becomes, this

range becomes less wide, while the background loses contrast and out of focus. By using these properties of the depth of field with creativity and imagination, you will be able to take pictures which will have your own personal imprint.



F4



F16

< How to check the depth of field >



- ① The photograph is focused at a distance of about 4m (13 ft).
- ② In this case, if the aperture is set at F 4, the range which appears clearly defined will be approximately from 3m (10 ft) to about 4.5m (15 ft).

- ③ If an F16 is used, the range will be approximately between about 2m (6.6 ft) and 10m (33 ft).



- When you want to check inside the viewfinder the correct focusing range, it simply requires pressing this preview button.

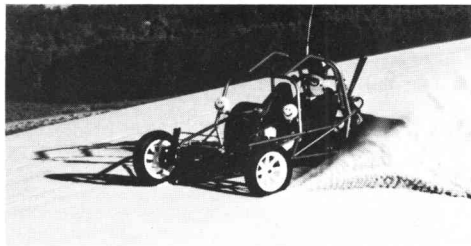
MANUAL EXPOSURE CONTROL

When the Manual Adapter is attached to the OM-10 QUARTZ, it is possible to revert to manual exposure control. When photographing fast moving subjects, when there is a possibility of camera shake, or when you want to capture the subject in its natural tones no matter what the illumination behind may be, this accessory proves to be very useful. In order to control exposure in such a way as to obtain special effects to match the photographic situation or your own intentions, you must rely on your own expertise and practice. In photography with manual control of exposure, the mode selector lever must be set at the "MANUAL ADAPTER" position.



To use the electronic flash T32 or T20 with the Manual Adapter attached on, you must set the mode selector lever to AUTO, in which range the flash synchronizes at about 1/60 sec.





Ⓐ Shutter-speed priority at 1/1000 sec.

< When shutter-speed priority is advisable >

- ① Set the necessary shutter speed in the Manual Adapter.
- ② Turn the aperture ring while looking through the viewfinder until the light on the shutter speed scale turns on at the shutter speed which was set in the Manual Adapter. Then, press the shutter release button.



Ⓑ Aperture priority, high keyed

< How to apply aperture priority to your photographic needs >

- ① Set the aperture as preferred.
- ② Look through the viewfinder to see the shutter speed which the light indicates, and set that speed in the Manual Adapter. Then, press the shutter release button.
* By intentionally ignoring the indicated shutter speed, and setting a different one in the Manual Adapter it is possible to obtain high key or low key results as desired.

TABLE OF INTERCHANGEABLE LENSES

TYPE	INTERCHANGEABLE LENSES		ANGLE OF VIEW	OPTICAL CONSTRUCTION ELEMENT-GROUP	F-STOP RANGE	MIN. FOCUS (ft.)	WEIGHT (oz.)	LENGTH	FILTER
FISHEYE	ZUIKO FISHEYE	8mm F2.8	180° (circle)	11-7	2.8-22	0.2 m (0.7)	640g (22.6)	82mm	Built-in
	ZUIKO FISHEYE	16mm F3.5	180°	11-8	3.5-22	0.2 m (0.7)	180g (6.3)	31mm	Built-in
SUPER WIDE ANGLE	ZUIKO MC	18mm F3.5	100	11-9	3.5-16	0.25 m (0.8) Ⓞ	250g (8.8)	42mm	72mm
	ZUIKO MC	21mm F2	92	11-9	2-16	0.2 m (0.8) Ⓞ	250g (8.8)	43.5mm	55mm
	ZUIKO	21mm F3.5	92	7-7	3.5-16	0.2 m (0.7)	180g (6.3)	31mm	49mm
	ZUIKO MC	24mm F2	84	10-8	2-16	0.25 m (0.8) Ⓞ	280g (9.9)	48mm	55mm
	ZUIKO	24mm F2.8	84	8-7	2.8-16	0.25 m (0.8)	180g (6.3)	31mm	49mm
WIDE ANGLE	ZUIKO MC	28mm F2	75	9-8	2-16	0.3 m (1.0) Ⓞ	250g (8.8)	43mm	49mm
	ZUIKO	28mm F3.5	75°	7-7	3.5-16	0.3 m (1.0)	180g (6.3)	31mm	49mm
	ZUIKO MC	35mm F2	63°	8-7	2-16	0.3 m (1.0)	240g (8.5)	42mm	55mm
	ZUIKO	35mm F2.8	63°	7-6	2.8-16	0.3 m (1.0)	180g (6.3)	33mm	49mm
	ZUIKO SHIFT	35mm F2.8	63° (83° at max. shift)	8-7	2.8-22	0.3 m (1.0)	310g (10.9)	58mm	49mm
STANDARD	ZUIKO	55mm F1.2	43	7-6	1.2-16	0.45 m (1.5)	310g (10.9)	47mm	55mm
	ZUIKO MC	50mm F1.4	47	7-6	1.4-16	0.45 m (1.5)	230g (8.1)	39mm	49mm
	ZUIKO MC	50mm F1.8	47	6-5	1.8-16	0.45 m (1.5)	170g (6.0)	31mm	49mm
	ZUIKO MC MACRO	50mm F3.5	47	5-4	3.5-22	0.23 m (0.8) Ⓞ	200g (7.1)	40mm	49mm
ZOOM	ZUIKO MC ZOOM	35-70mm F3.6	64°-34°	10-8	3.6-22	0.8 m (2.7)	420g (14.8)	74mm	55mm
	ZUIKO ZOOM	75-150mm F4	32°-16°	15-11	4-22	1.6 m (5.2)	440g (15.5)	115mm	49mm
	ZUIKO MC ZOOM	85-250mm F5	29°-10°	15-11	5-32	2 m (6.0)	890g (31.4)	196mm	55mm
TELEPHOTO	ZUIKO MC	85mm F2	29	5-4	2-16	0.85 m (2.8) Ⓞ	260g (9.5)	48mm	49mm
	ZUIKO	100mm F2.8	24	5-5	2.8-22	1 m (3.3)	230g (8.1)	48mm	49mm
	ZUIKO MC	135mm F2.8	18	5-5	2.8-22	1.5 m (4.9)	360g (12.7)	80mm	55mm
	ZUIKO	135mm F3.5	18	5-4	3.5-22	1.5 m (4.9)	290g (10.2)	73mm	49mm
	ZUIKO MC	180mm F2.8	14	5-5	2.8-32	2 m (6.0)	700g (24.7)	124mm	72mm
	ZUIKO MC	200mm F4	12	5-4	4-32	2.5 m (8.2)	510g (18.0)	127mm	55mm
	ZUIKO	200mm F5	12	6-5	5-32	2.5 m (8.2)	380g (13.4)	105mm	49mm
SUPER TELEPHOTO	ZUIKO	300mm F4.5	8°	6-4	4.5-32	3.5 m (11.5)	1100g (38.8)	181mm	72mm
	ZUIKO MC	400mm F6.3	6°	5-5	6.3-32	5 m (16.4)	1300g (46.0)	255mm	72mm
	ZUIKO MC	600mm F6.5	4°	6-4	6.5-32	11 m (36.1)	2800g (98.8)	377mm	100mm
	* ZUIKO MC	1000mm F11	2.5°	5-5	11-45	30 m (98.4)	4000g (141.0)	662mm	100mm
SPECIAL USE	ZUIKO MC MACRO	20mm F3.5	9 at highest mag.	4-3	3.5-16	W/Auto Bellows & PM-MT ob	70g (2.5)	20mm	21mm Slide on
	ZUIKO MC MACRO	38mm F3.5	9 at highest mag.	5-4	3.5-16	W/Auto Bellows & PM-MT ob	90g (3.2)	28mm	32mm Slide on
	ZUIKO MC 1:1 MACRO	80mm F4	9 at highest mag.	6-4	4-32	W/65-116 or Auto Bellows	170g (6.0)	33mm	49mm
	ZUIKO MC MACRO	135mm F4.5	18	5-4	4.5-45	W/65-116 or Auto Bellows	320g (11.3)	47mm	55mm Slide on

(Specifications subject to change without notice.)

● MC stands for multicoating.

* Picture image may be cut off slightly when OM-10 QUARTZ is used with the 1000mm lens.

Ⓞ Automatic correction design against close distance aberrations.

• Make it a point to use the Zuiko MC Macro 135mm F4.5 with the hood provided.

CARE AND STORAGE OF THE CAMERA

General

- Dust and moisture are primary harmful agents affecting your camera. When you do not use the camera, remove it from the case and store in a dry, ventilated place, making sure that the shutter is set free from tension and the selector lever at the OFF position.
- When storing the camera for a long period of time, remove the batteries. Wipe all battery surfaces with a dry cotton cloth before re-inserting them into the camera.
- Avoid dropping or hitting the camera.
- Never store the camera where temperatures exceed 50°C (122°F). When you use the camera in temperatures under -20°C (-4°F), it may sometimes fail to operate properly. To avoid this warm the camera before use. Protect against excess moisture by using silica gel or other desiccant.
- Generally speaking, a battery voltage may be reduced when an ambient temperature lowers. As the batteries that activate the camera at normal temperature regularly, sometimes fail to in low temperature, it is recommended to use fresh batteries in a cold district.
- Take care not to permit water to enter the camera when taking pictures in the rain or snow, especially near sea-water spray, as water drops may easily have a chance to enter the camera through small orifices.
- After use near the ocean, wipe the camera surfaces clean with a soft cloth; never leave salt on the camera. (Salt may be airborne near the ocean and collect on the camera even though it has not been in direct contact with water.)
- Avoid areas exposed to salt water, radios, TV sets, or magnets.
- Have all repairs performed by an authorized OLYMPUS Service Center. You may send it directly or through the store where you bought your camera.
- When the data imprinting window is stained, dust it with an air blower.
- Do not use thinner to wipe off the camera surface.
- Do not expose the display window to the sunlight for a long period of time.

Parts

- To imprint a date or time on B & W film, use a B & W film ASA 80 or higher; otherwise no data can be imprinted due to the insufficient sensitivity of film.
- To use a color film of ASA 400, confirm the sign "400 COLOR" in the display window. (This sign will not be imprinted.)
- You cannot imprint any date when ① the imprinting background is white, or ② red.
- Do not press the release button at random.
- Do not touch any part that moves at high speed such as the shutter, instant return mirror, diaphragm, etc.
- Avoid touching the surfaces of the lens. Clean only with an air brush, antistatic brush, or wipe it lightly with a camel hair brush or lens tissue. In EXTREME cases, use a clean, soft cotton cloth moistened with denatured alcohol. NEVER rub the lens surfaces with your finger, clothing or other abrasive material.
- Avoid excessive force when mounting on a tripod.
- A picture will be cut off slightly when OM-10 QUARTZ is used with 1000 mm lens.

QUESTIONS AND ANSWERS

Q: The shutter release button will not move and I can't take the picture. Why?

A: The film advance lever may not have been fully advanced.

Q: Why can't I move the film advance lever?

A: The self-timer may be set, or the shutter release may be cocked and ready but it has not been pressed yet. If you press the shutter release button, film will advance to the next frame. Has the film reached its end? Check the exposure counter and, if it shows that the film has ended, rewind the film. Are the alkaline-manganese or silver oxide batteries charged? Check the batteries, and if you hear the beeping sound and see the red light flashing, but cannot move the lever, take your camera to an authorized OLYMPUS Service Center.

Q: Why doesn't the rewind knob rotate when I try to advance the film and the field of view dark, and the image obscure?

A: Because the batteries are exhausted. Check with the selector dial. If a beeping sound is not heard, and the battery check light does not light up, replace the batteries as a pair. Batteries are LR44 (A 76) or SR44 (EPX-76).

Q: Why won't rewind release lever turn?

A: Set the rewind release lever once more in the direction of the arrow, and the problem will be solved.

Q: Is infrared photography also possible with

the OM-10 QUARTZ?

A: Yes, it is if you use the manual adapter and set the mode selector lever to the MANUAL ADAPTER position. Then take the following steps: ① Focus without a filter. ② Move the focusing ring to coincide with the infrared mark. Mount a filter for infrared photography, and proceed to take the picture.

Q: When should I check the batteries?

- A:**
- ① When new batteries are inserted.
 - ② After the camera has been stored for a long time.
 - ③ When you think batteries may be exhausted.
- The alkaline-manganese batteries should last for about one year, and the silver oxide batteries for about one year.
- ④ When the temperature is extremely low.

Q: I pressed the shutter release button with the selector dial at the "OFF" position. Will the photograph be properly exposed?

A: Even at the "OFF" position, the camera's circuits will be activated for a proper exposure. Recommended to develop the film and see.

Q: When set at the "AUTO" position, the actual shutter speed is much slower than the one indicated in the viewfinder. Why does this happen?

A: If film is not loaded or the film surface is not properly positioned behind the shutter, the speed will be slower than that indicated in

the viewfinder.

Q: What batteries should I use?

A: Use two 1.5V alkaline-manganese batteries LR44 (A 76) or two silver oxide batteries SR44 (Eveready EPX-76 or equivalents). Batteries of a different type (1.3V mercury batteries) cannot be used, though they may be of the same size.

Q: A shadow appears darkening the central area of the viewfinder. Why does this happen?

A: This is quite usual when a lens with a maximum aperture smaller than F5 is mounted on the camera, and the preview button is pressed with the diaphragm closed down beyond F5. There is nothing wrong with the microprism.

Q: Can the OM-10 QUARTZ be used on MANUAL mode?

A: Although this camera is designed for automatic exposure, it can be used for manual by means of the Manual Adapter.

Q: Can I use a flash bulb?

A: Yes, you can, but an electronic flash is preferable to a flash bulb, since the OM-10 QUARTZ is not provided with any FP synch. contact. If a flash bulb must be used however, it is recommended to set the shutter speed slower than 1/15 sec.

For shutter speeds faster than 1/30 sec., the light from the flash bulb cannot be effectively utilized or evenly distributed.

Q: If I return the selector lever to the ON posi-

tion, while the self-timer in operation, what will become of the shutter?

A: The shutter will be released. After the use of the self-timer, make it a point to return the selector lever to original position.

Q: While I was operating the Winder 2, the light in the viewfinder went out ... why?

A: The light goes out in 90 sec. even the selector lever is ON, in order to save the batteries from unnecessary consumption. Touch the activator switch lightly, and the light is on again.

Q: How long will the batteries alkaline manganese of the imprinting back last?

A: They will last for about 1 year. When the batteries are almost exhausted, pressing the battery check button will blink the LCD indication or at the time of shutter release, the indication blinks.
In that case the batteries should be replaced.

Q: Is the time accurately displayed? And is it correctly adjustable?

A: Yes, it is accurately displayed within ± 15 sec. permonth at $15^{\circ} - 35^{\circ} \text{C}$ ($59^{\circ} - 95^{\circ} \text{F}$) in link system between 1970 - 2009. If it is necessary to correctly adjust the time in seconds, follow the instruction steps in page 69.

MAIN SPECIFICATIONS

Camera type: 35mm SLR camera with electronic control automatic exposure, focal plane shutter, and LCD quartz digital watch.

Position and size of imprinted data: In the bottom right-hand corner of the horizontal picture; figures approx. 0.7 mm (0.03") high on film.

Imprinting direction: Data imprinted from behind the film through the window in the pressure plate.

Data codings: (1) Date (year-month-day) (2) Time (day-hour-minute). (3) No recording.

External indication of data: Data display on liquid crystal panel for approx. 5 years.

Automatic calendar system and accuracy: Year indication from 70 to 09 in link system. Accuracy within ± 15 seconds per month at 15° to 35° C (59° to 95° F).

Image format: 24 x 36mm.

Lens mount: Olympus OM Mount, bayonet type.

Shutter: Electronically controlled focal plane shutter.

Flash synchronization: X contact. Direct contact only.

Automatic exposure control: Aperture-priority electronically controlled shutter. TTL direct light measuring system. Light measuring range: EV-0.5 to 18 from 2 sec. to 1/1000 sec. at normal temperatures and humidity with ASA 100 and F1.2 standard lens.

Exposure compensation: $\pm 2EV$.

Automatic flash exposure: Normal auto flash is automatically set to X synch. (1/60 sec.) in conjunction with the electronic flash T32 (T20).

Manual exposure control: The Manual Adapter attached to the OM-10 QUARTZ permits a full range of 11 manual shutter speeds. (1 to 1/1,000 sec.) By setting the mode selector lever to the manual mode, the shutter speed can be set to 1/60 sec.

Film speed range: ASA 25 to 1600.

Film speeds to use with QUARTZ Data Back: Color ASA 25-400, B & W 80 ASA or above.

Battery checker: Battery voltage can be checked by both LED and PCV. Mirror lock to limit drainage.

Power source: Two 1.5V alkaline-manganese batteries LR44 (A76), or two 1.5V silver oxide batteries SR44 (Eveready EPX-76 or equivalents).

Two 1.5V alkaline-manganese batteries or silver oxide batteries for the QUARTZ data back.

Viewfinder: Pentaprism type.

Focusing screen: Microprism/split image-matte type.

Finder view-field: 93% of actual picture field.

Viewfinder magnification: 0.92X with the 50mm lens at infinity.

Viewfinder information: 12-step shutter speed scale and flash charge indicated by LEDs.

Mirror: Oversize, quick return mirror.

Film advance: Lever type with 130° angle. It can be wound with one long or several short strokes. 30° pre-advance angle. Power winding is possible with the Olympus OM System Winder 2.

Self-timer: Electronic self-timer with about 12 second delay.

Accessory shoe: Built-in type, with direct contact.

Dimensions and weights: Body only: 135(W) x 84(H) x 55(D) mm (5.3" x 3.3" x 2.2") 490gr. (17.3 oz).

With F1.8 lens: 135(W) x 84(H) x 86(D) mm (5.3" x 3.3" x 3.4") 660gr. (23.3 oz).

With F1.4 lens: 135(W) x 84(H) x 94(D) mm (5.3" x 3.3" x 3.7") 720gr. (25.4 oz).

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