

PRODUCT- INFORMATION



LEICA



MOTOR- DRIVE R8

LEICA MOTOR-DRIVE R8

The LEICA MOTOR-DRIVE R8 is a high-performance film advancing accessory for the LEICA R8, especially designed to be a perfect complement to that camera. It harmonizes beautifully with the unique style of the LEICA R8, which has already received numerous prestigious awards. Its integrated wrist strap and its two shutter release buttons for vertical and horizontal photographs add incomparable convenience to the camera-and-Motor-Drive combination in any situation.



The MOTOR-DRIVE R8 provides immediate readiness at

all times, it simplifies work during extended shooting sessions, it permits fast picture sequences on demand, and it even opens many other interesting photographic possibilities. Its rubber-cushioned film advance mechanism with a load-controlled clutch prevents vibrations from being passed on to the camera body, and it only emits a very quiet, inconspicuous sound when it is in use.

Film advance

The MOTOR-DRIVE R8 is switched on and off by means of the rapid film advance lever on the camera. When this lever is folded out, the camera can be operated manually in the conventional manner. When the lever is folded in, the film is advanced to the next frame after each exposure. That immediately readies the camera for the next photographic situation. The MOTOR-DRIVE R8 features three film advanc-

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ing speeds, which can be selected by means of the small sequence speed selector lever on the left side of the drive: S (Single) is for single exposures; CL (Continuous Low) for picture sequences of up to 2 frames per second and CH (Continuous High) for picture sequences of up to 4.5 frames per second. As an alternative to manual rewinding, the MOTOR-DRIVE R8 also offers two-step motorized film rewinding. The first activation of the respective lever on the front of the drive initiates the rewinding process, leaving only the film tongue protruding from the cartridge, which makes it easy to retrieve the film for processing in a home darkroom. If that lever is activated a second time, the film is rewound completely into the cartridge, thus clearly identifying cartridges that contain exposed films.

Bracketing

The MOTOR-DRIVE R8 has an additional feature that offers a highly interesting photographic technique. This function, usually called bracketing, provides three exposures in rapid succession that vary by a predetermined amount, so that the best image of a subject photographed under critical light conditions can be selected after the film has been processed. Two different exposure value steps can be chosen by means of the small lever that is concentric with the small sequence speed selector

lever on the left side of the drive: the (± 0.5) setting provides for three exposures that are different by $1/2$ EV (EV = Exposure Value, which is an aperture- or a shutter speed step). The ± 1 setting provides for a sequence of exposures varied by 1 EV. Depending on the exposure mode selected on the camera, the exposure changes are achieved by varying the lens aperture, the shutter speed or both, so that full creative freedom is retained with this technique as well.



Power supply

A sealed BATTERY PACK MD-R8 that can be exchanged easily and quickly, supplies energy to the camera as well as the drive. It was developed for the MOTOR-DRIVE R8. When they are fully charged, its 8 permanently built-in Ni-MH cells provide enough power to expose approximately 100 36-exposure rolls of film at room temperature, including rewinding. Even at -20°C (-1°F), it still supplies enough power to expose and rewind more than 40 rolls of film. The Quick Charger, also designed especially for the BATTERY PACK MD-R8, recharges the battery pack in $1\frac{3}{4}$ hours at the most. In order to avoid a loss of capacity, the

charging procedure can be started with a discharging cycle. An unintentional overcharge is prevented dependably by an automatic overcharge protection. The Quick Charger automatically switches over to the prevailing mains voltage. It can even be used in motor vehicles, but at 12V the charging time is twice as long.

Attaching the MOTOR-DRIVE R8 to the camera

The drive can be attached to the camera very easily by means of the convenient handle on a single attachment screw. Positioning pins ensure firm engagement of all electrical and mechanical connections. The camera-and-drive combination can be



mounted on a tripod by means of a 1/4" tripod socket in the base of the drive.

Accessories

A line of practical accessories is available to tailor the LEICA MOTOR-DRIVE R8 to numerous different applications:

Remote-Control LEICA R8
(Order No. **14 202**)

Electronic remote control unit for the LEICA R8 which also

functions as a timing pulse generator for automatic continuous release; digital display.

Electric cable release with trigger switch (Order No. **14 254**)*

The electric cable release is 0.3 m long and equipped with a screw-on plug for connection to the corresponding socket of the LEICA MOTOR-WINDER R8. When its trigger switch is pressed lightly, the user can read the LCD as usual.

25 m extension cables

(Order No. **14 275**) can be used in conjunction with the electric cable release and the RC LEICA R8 for remote release from a distance of up to 100 m.

Product package

The MOTOR-DRIVE R8 is available by itself, (always includes a battery pack) and also as a complete set that includes the Quick Charger. The BATTERY PACK MD-R8 and the Quick Charger are also available individually. Four different country-specific main power cables are available for the Quick charger.

The respective order numbers are the following:

LEICA MOTOR-DRIVE R8 Set (with Battery Pack and Quick Charger)	
-with Europe main power cable	14430
-with USA/Japan main power cable	14431
-with UK main power cable	14432
-with Australian main power cable	14433
LEICA MOTOR-DRIVE R8 (with Battery Pack)	14313
BATTERY PACK MD R8	14423
Quick Charger without main power cable	14424
-with European main power cable	14425
-with USA/Japan main power cable	14426
-with UK main power cable	14427
-with Australian main power cable	14428
Europe main power cable	14419
USA/Japan main power cable	14420
UK main power cable	14421
Australian main power cable	14422



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Technical data

Dimensions

(width/height/depth): 157 x 38 (124.5 with handgrip) x 89mm
(6 ³/₁₆ x 1 ¹/₂ (4 ¹³/₃₂ with handgrip) x 3 ¹/₂ inches)

Weight

without battery pack... 430g (15oz)
with battery pack 680g (24oz)

Exposure sequence rates at 20°C (68°F):

with the CL setting: 2 exposures per second
with the CH setting: 4.5 exposures per second

Rewinding: approximately 7 seconds for a 36-exposure roll of film; two steps: when the rewind lever on the front of the drive is activated for the first time, the film tongue is left protruding from the film cartridge; when that lever is activated again, the entire film is rewound into the cartridge.

Operating range: -20°C to +65°C (-1°F to +149°F)

BATTERY PACK MD-R8:

Content: 8 Ni-MH cells

Capacity when fully charged: 1500 mAh, capacity in terms of 36-exposure rolls of film: more than 100 rolls of film at 20° C (68F), more than 40 rolls at -20°C (-1°F)

Dimensions: 132 x 43 x 43mm (5 ³/₁₆ x 1 ¹¹/₁₆ x 1 ¹¹/₁₆ inches)

Weight: 250 g (8.8oz)

Durability of the power pack: At normal operating- (-20°C to +65°C or -1°F to +149°F), charging- (0°C to +40°C or +32°F to +104°F), and storage conditions (-20°C to +40°C or -1°F to +104°F), it can be charged at least 500 times.

Quick Charger:

primary voltage: 90 - 260V, 50 - 60Hz and 12 or 24V DC

primary connectors: EN 60320/C7 "shaver" socket, and a 2-pole socket for standard mains connector.

secondary voltage: 9.6V DC (nominal voltage)

secondary current: approximately 1200mA at 90-260V, 50-60Hz and at 24V DC, approximately 600mA at 12V DC.

Main body dimensions

(width / height / depth): 150 x 80 x 63mm (5 ⁷/₈ x 3 ⁵/₃₂ x 2 ¹/₂ inches)

Charger adapter dimensions:

(width x height x depth): 130 x 60 x 43mm (5 ¹/₈ x 2 ³/₈ x 1 ¹¹/₁₆ inches)

Weight (including the

main power cable): 495g (17 ¹/₂ oz)

Leica. Fascination and precision.



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The Leica Camera Group

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