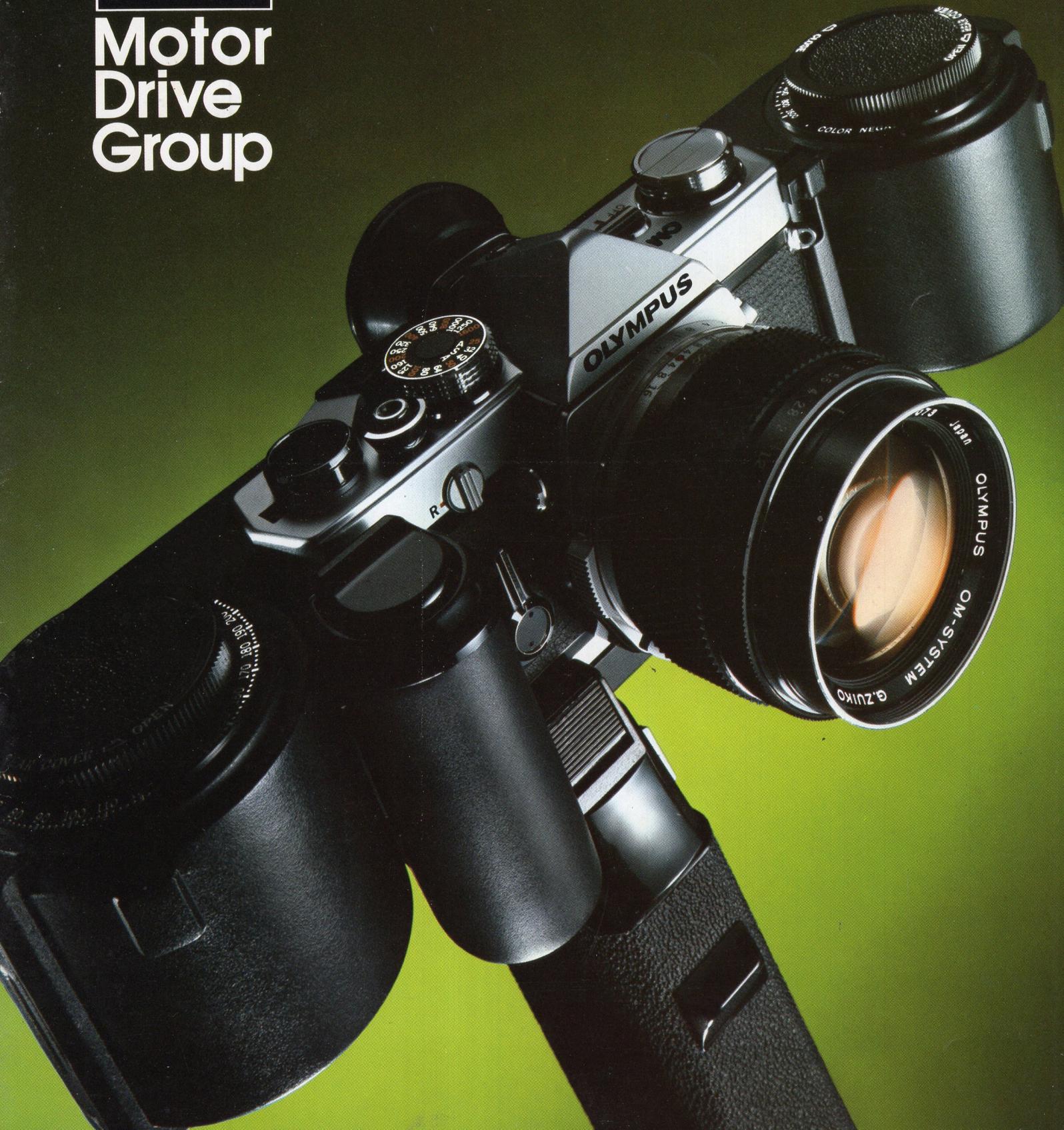


OLYMPUS



Motor
Drive
Group





OLYMPUS

I-WO

OLYMPUS OM-SYSTEM 6.2 ZUIKO AUTO-S 1:1.4 f=50MM

MD

OLYMPUS
CLOSE
OPEN

OLYMPUS
CLOSE
OPEN
COLOR REVERSAL
LENS



A breakthrough in motor drive design

The growing sophistication of modern photographic techniques and the remarkable expansion of their applications have made motor drive an invaluable tool for professionals, serious and scientific photographers. It is not too much to say that motor drive is essential equipment for sports and action photography, and an enormous boon in fashion, industrial and many other photographic fields.

This is because motor drive, by advancing the film automatically and at high speed, leaves the photographer entirely free to concentrate on his subject and allows him to shoot at rates of up to several frames per second.

The biggest drawback of motor drive systems to date has been their excessive weight and size, but this problem is dramatically resolved by the new Olympus OM-System Motor Drive.

In keeping with the overall OM-System design philosophy of which they form an integral part, the OM-System Motor Drive Units feature the maximum miniaturization compatible with Olympus' high standards of engineering and functionality. In fact an OM-1 with basic Motor Drive 1 unit and battery-filled M.18V Control Grip 1 actually weighs about half as much as the other motor drive systems of comparable performance.

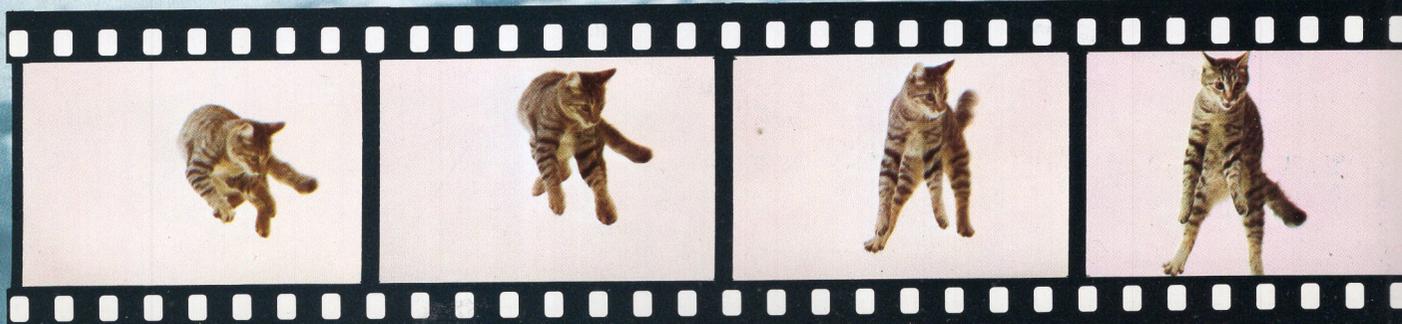
Despite this astonishing success in weight reduction the OM-System motor drive, rigorously tested 200,000 times for ruggedness and endurance, gives top class performance with speeds of up to five frames per second in optimum conditions. As it is not necessary to lock the mirror up, the viewfinder can be used even in fast sequence photography. Both sequence shooting and single mode operation are possible. In sequence shooting all shutter speeds between 1/2 sec. and 1/1000 sec. can be used. A built-in safety mechanism allows film advance only after the shutter curtain is closed, so there is no risk of premature wind-on at slow shutter speeds.

Because the motor drive units were planned together with the rest of the comprehensive OM-System they are supremely easy and quick to use. The OM-1 MD is designed to connect directly with the motor drive units without any structural modification. Installation is therefore a matter of seconds and the resulting combination is so beautifully balanced that effortless hand-held photography can be performed even with the 250 Film Back and a 300mm super-telephoto lens. There are two release buttons for convenience in all situations — one on the pistol-type M.18V Control Grip 1 and one on top of the Motor Drive unit close to the camera shutter release.

Like all the other members of the OM-System, the Motor Drive Group is formed around the Olympus OM-1, in itself a radical new development in 35-SLR cameras that is revolutionizing this field of photography. The superior technical capabilities of the OM-1, and its outstanding design features such as a 35% reduction in both weight and size, plus a decrease of more than half in shutter noise, make it the perfect complement for the world's lightest and smallest motor drive system.



OM
SYSTEM



Compact Precision and Versatility to Cover Every Photographic Sphere

The OM-System Motor Drive Group brings back the hand-held versatility that first made 35mm photography popular. With their increasing optional gadgets and complications, other cameras and systems have grown more and more bulky and heavy — often losing sight of the spontaneity that originated the 35mm format.

Not so the OM-System. For all its sophistication and ruggedness, the OM-System Motor Drive is compact enough to be taken just about anywhere you can take a camera.

The small size and light weight of the OM-System Motor Drive make it ideal for photo-journalism and exciting sports photography, as well as informal shots to capture the action and expression of your family and friends.

In addition it offers the performance for every conceivable kind of photographic activity, including photomicrography, copying work, scientific and industrial records and many more. Most important of all, its superb handling and maneuverability make it a natural extension of the photographer's personality, a precision tool molded easily and exactly to his creative inspiration. Some of the OM-System Motor Drive Group's capabilities are illustrated on these pages.



Basic Motor Drive Assembly



OM-1 MD



Motor Drive 1



M.18V Control Grip 1



M.18V Battery Holder 1

The most basic motor drive assembly. For photography with 12, 20 and 36 frame film.



OM-1 MD



Motor Drive 1



Relay Cord 1.2m



M.18V Control Grip 1



M.18V Battery Holder 1

Basic Motor Drive Assembly

2

For flexible control handling. The control grip can also be held inside a pocket or case.



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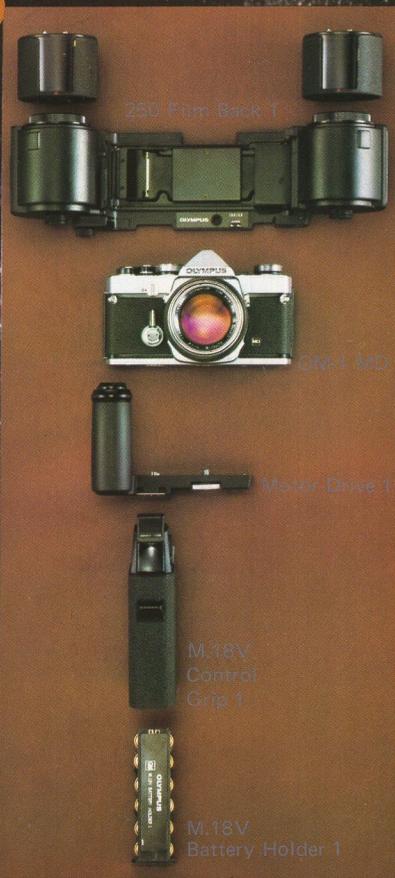
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Basic Motor Drive Assembly

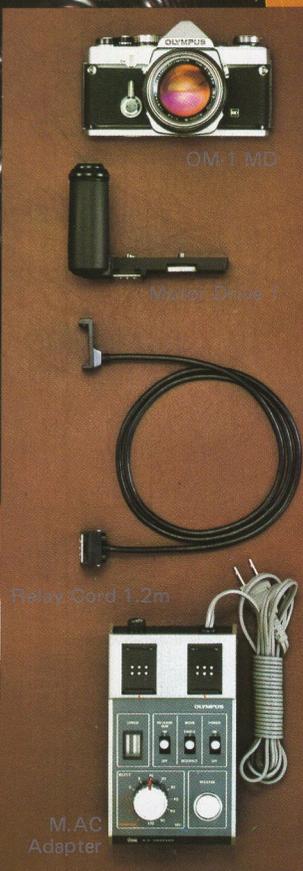
For use with bulk films up to 250 frames.



4

Basic Motor Drive Assembly

For use with AC current power source and when timer is required.



The Easily Assembled OM-System Motor Drive Units

① **Motor Drive 1** The heart of the group is this basic motor drive unit. It is fixed directly to the camera base tripod socket with a clamping screw, and functions with the camera as one unit. The M.18V Control Grip 1 (with enclosed Battery Holder 1) or a Relay Cord is attached to the base of the unit.

Spec: Usable shutter speeds: Sequence: 1/2–1/1000 sec. Single: 1–1/1000 sec.
Voltage: DC 15V or 18V when the M.18V Control Grip is used.
With other power sources DC 12V–16V.
Size: 116x82x66mm (4-5/8 x 3-1/4 x 2-5/8 in.) Weight: 210g (7.4 oz.)

② **M.18V Control Grip 1** The Control Grip 1 functions as a power unit, control, and pistol grip for the Motor Drive 1. It can either be attached to the motor drive directly, or work as a remote control unit when connected by relay cord. Attachment is by an instant snap-on system with a double lock to ensure foolproof connection. The rear selector dial offers a choice of single and sequence modes and off. The Control Grip 1 is also supplied with devices to automatically stop the motor after the last frame is exposed, prevent film wind during shutter run, etc., and a release lock lever to prevent accidental shutter release.

Spec: Batteries: 12 1.5V AA Alkaline batteries or 12 1.25V AA rechargeable NiCad batteries.
Voltage: Alkaline batteries — DC 18V; NiCad batteries — DC 15V.
Capacity: Approximately 70 rolls of 36 exposure film with fresh Superpower Manganese batteries.
Mode selector: Rotating dial type with "SINGLE," "SEQUENCE" and "OFF" click stop positions.
Size: 32x87x136mm (1-1/4 x 3-3/8 x 5-3/8 in.)
Weight: Control Grip only: 130g. (4.6 oz.)
M.18V Battery Holder: 30g (1.1 oz.)
12 batteries: Approx. 240g (8.4 oz.)

③ **M.18V Battery Holder 1** Containing 12 1.5V Alkaline or 12 1.25V NiCad penlight batteries, this handy unit slips instantly into the M.18V Control Grip 1. With Superpower Manganese batteries it should expose some 70 rolls of 36 frame film. Quick-change spares are available separately from the grip.

④ **Relay Cord 1.2m** This allows convenient photography with the Control Grip 1 when tripod, Copy Stand, Macrophoto Stand and Auto Bellows are used. It also permits photographer to hold the Control Grip in his pocket, especially useful in sub-zero weather conditions. The M. AC Adapter is connected to the Relay Cord for operation on house current. In addition, the remote terminal built into the power supply plug allows wireless and wired remote control, and the DC terminal serves as a relay box when a separate DC power supply is connected to it.

⑤ **Relay Cord 10m** For when a longer relay-cord is needed.

⑥ **M. AC Adapter** The M. AC Adapter converts AC house current for the motor drive. It is equipped with a mode selector, a release run switch and a timer giving a selection of six intervals from four frames per second to one frame every 120 seconds for time lapse photography.

⑦ **250 Film Back 1** Films of up to 10m (33 ft) length giving 250 exposures can be used with this equipment. The 250 Film Back 1 can be attached to the camera before or after the Motor Drive. It incorporates a subtractive, manual resetting type exposure counter.

⑧ **250 Film Magazine** Used to load films up to 10m (33 ft) long. Two of these magazines are needed for use with the 250 Film Back 1. Memo recording is possible with this equipment. A blade is provided on the magazine to cut film effortlessly at any desired length.

⑨ **250 Film Loader** To load the 250 Film Magazine with bulk film in the darkroom. It automatically stops at preset film length.

⑩ **Compartment Case**

⑪ **Eyecoupler** When the 250 Film Back 1 is used, the Eyecoupler is needed to mount the Eyecup 1. This ensures full coverage of the viewfinder field and keeps out annoying backlight.

⑫ **Eyecup 1. (Rubber)** Designed to prevent glare and loss of contrast caused by stray light hitting the eyepiece. A dioptic correction lens can be fitted into a slot in the Eyecup.

* The OM-1MD is prepared for motor-drive use requiring no modification.

The OM-1, not specifically made for motor-drive use, can easily be modified at authorized OLYMPUS factory service centers for a nominal charge.





OLYMPUS

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