

# OLYMPUS®

ELECTRONIC FLASH T32  
MODULAR FLASH SYSTEM

**OM**  
SYSTEM

RECORDATA BACK 3 (QUARTZ DATE)  
WINDER 2



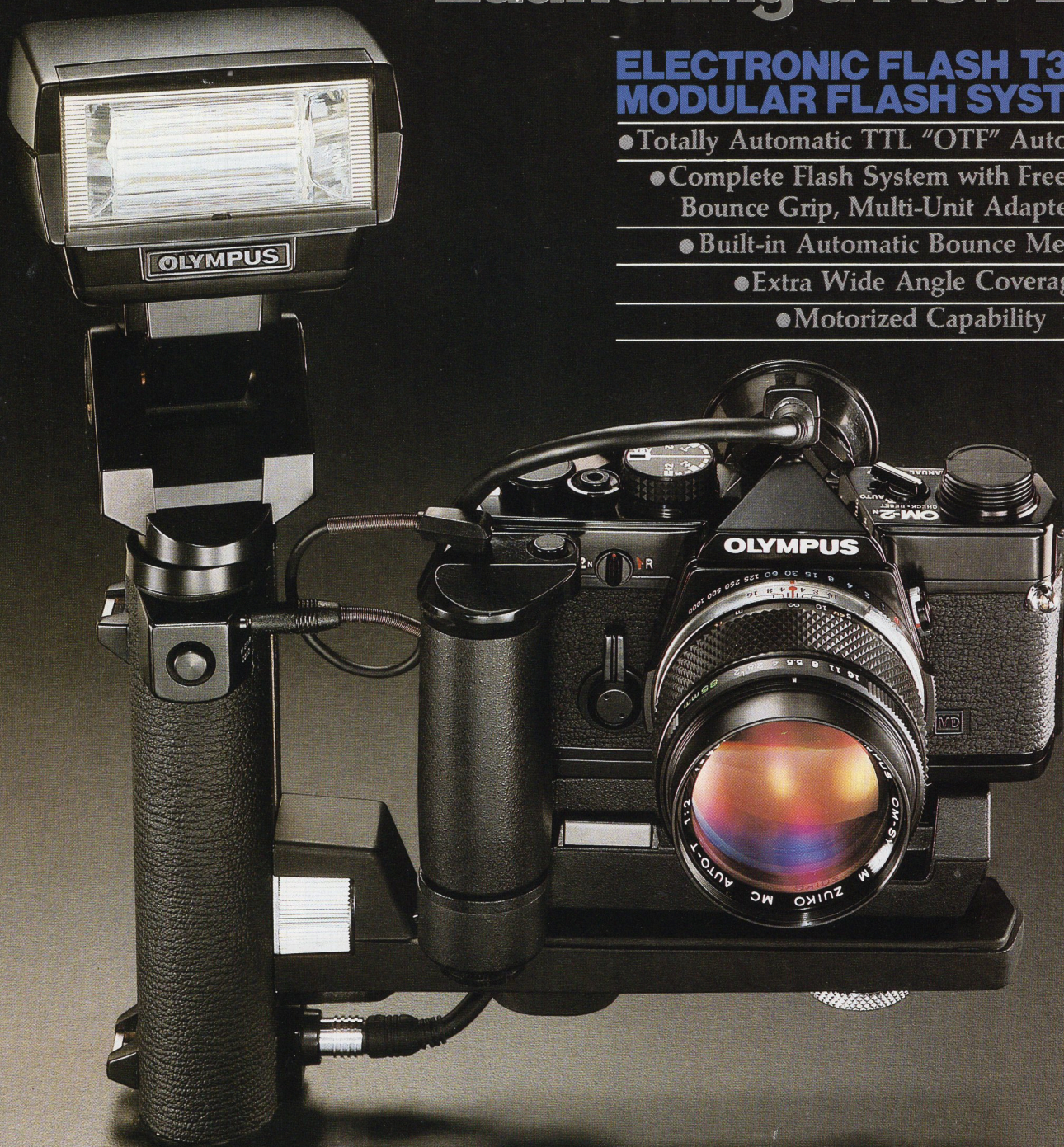
NEW  
UNITS



# Launching a New Era in

## ELECTRONIC FLASH T32 MODULAR FLASH SYSTEM

- Totally Automatic TTL "OTF" Auto Operation
- Complete Flash System with Free-Angling Bounce Grip, Multi-Unit Adapter, etc.
- Built-in Automatic Bounce Mechanism
- Extra Wide Angle Coverage
- Motorized Capability



## The Center of a Unique Flash System

The most outstanding feature of the Electronic Flash T32 is its completely automatic TTL "OTF" Auto\* Flash function with the OLYMPUS OM-2. In line with the OM System design concept it is also the center of a unique, totally modular, highly functional and versatile flash system. System units include a special Power Bounce Grip 2 containing

extra batteries for faster recycling and a greater number of flashes and featuring a release button for motor driven flash photography. The bounce grip provides for horizontal, vertical and diagonal angling permitting automatic bounce flash for vertically framed photos. Other units are special extension cords, the world's first multiple flash adapter and an AC adapter.

\* TTL "OTF" Auto is an exclusive OLYMPUS flash system in which the flash emission is measured off the film plane by the OM-2's TTL Direct "OTF" Light Measuring sensors, and the flash unit is controlled directly by the camera.



# Professional Flash Photography



## The Remarkable Performance of the T32

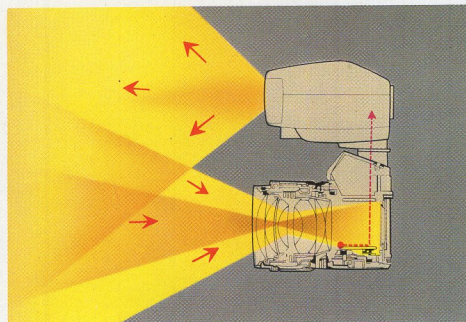
Even without its flash system the T32 is still beyond comparison in performance. Despite its highly compact format it has a powerful 32 guide number (ASA100, meters) or 104 (ASA100, feet), an exceptionally wide flash angle (giving virtually complete coverage of a 24mm super wide angle lens picture area), a choice of three normal auto and two manual settings in addition to its TTL "OTF" Auto function, a back panel which is reversible to provide extremely easy auto or manual settings and a three-way power choice of

four 1.5V AA penlight batteries, rechargeable Ni-Cd batteries or AC current. Perhaps the most remarkable innovation of the T32 is its built-in bounce mechanism. This allows automatic bounce flash photography with any camera because only the bounce mechanism angles leaving the light sensor on the flash unit pointing straight ahead. The Electronic Flash T32 will only fire when it is switched "ON." Switch it "OFF" and it can remain on the camera. It will not fire even if fully charged.



# The TTL "OTF" Auto Revolution

The most important feature of the professional Electronic Flash T32 system flash is its amazing TTL "OTF" Auto capability with the OM-2. The flash is totally controlled by the camera so there is no need for any exposure calculations or settings even for bounce flash, diffused flash lighting, off-the-camera flash or simultaneous use of multiple flash units. Any aperture of the taking lens can be selected



freely, the flash can be used over a distance range from about twice as close to twice as far as with normal auto flash and the angle of flash measured is always precisely the same as the angle of the taking lens.

Here's the secret of TTL "OTF" Auto Flash: With the OM-2's TTL Direct "OTF" Light Measuring Method and Centralized Control System, automatic exposures are

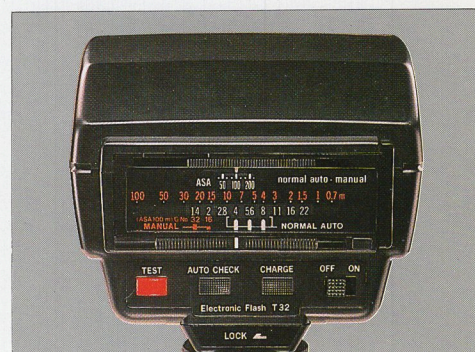
calculated in real time. The OM-2's SBC light sensors read the light that actually hits the film plane during the exposure and when the right amount of light has reached the film the camera's electronic brain automatically terminates the

exposure. In normal photography this is done by closing the shutter. Because flash is so fast and intense the electronic brain first cuts off the flash emission directly by an electrical signal before closing the shutter curtain. The idea is simple. It means that the only factor affecting the OM-2's exposure decision is the amount of light that actually reaches the film through the taking lens. It doesn't matter which way the flash is pointed, what angle lens or lens aperture is used, how bright the flash or subject is or how many flash units are used (up to nine,

provided they are all linked with the OM-2). It all adds up to the simple notice on the T32's back panel: "full-automatic control by OM-2."

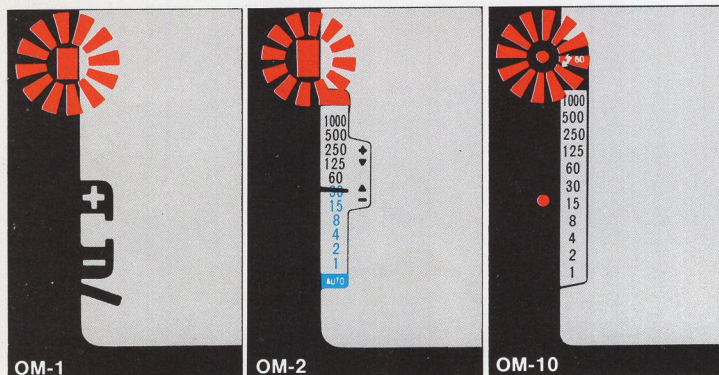


TTL "OTF" Auto Mode



Back panel reverses to show data for Normal Auto Mode with OM-1 and OM-10, and Manual Mode (shown in feet in some models.)

## Extra Flash Benefits with the OM Cameras



\* This indication appears with the OM-1N and OM-2N only.

Flash is specially easy with any OM camera. In the viewfinder of the OM-1\*, OM-2\* and OM-10, a bright LED lights to indicate full flash charge and, uniquely, flickers after the picture is taken to confirm correct flash exposure. If the flash light was not sufficient for the subject the LED goes out. This feature is paralleled by the CHARGE

and AUTO CHECK lamps on the back of the T32 flash unit. All the OM cameras also provide automatic X synchronization at the hot shoe. The OM-10 automatically sets the shutter speed for X

synchronization when the T32 or T20 is plugged in and switched on. The OM-2 will prevent the flash firing at shutter speeds above 1/60 sec. It also switches flash modes automatically between TTL "OTF" Auto when the camera selector lever is at "AUTO" or "OFF" and Manual when the lever is at "MANUAL."

### ELECTRONIC FLASH T32 MAIN SPECIFICATIONS

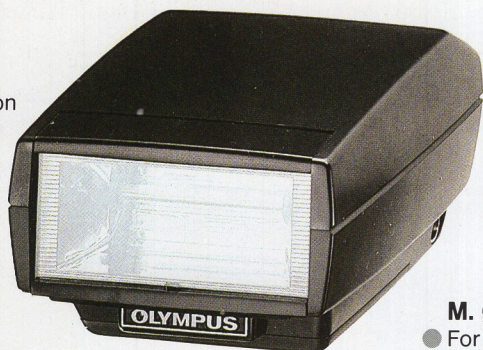
Type	Energy-saving, series-circuit type TTL Centralized Control (TTL "OTF" AUTO), system flash unit (with normal auto and manual capability).
Guide Number	32 (ASA100, meters) or 104 (ASA100, feet).
Coverage	53° vertical, 74° horizontal.
Angle	
Flash Duration	1/40,000 - 1/1,000 sec.
Recycling Time	0.2 - 10 sec. (varies depending on flash-to-subject distance).
Flashes per set of AA Alkaline Batteries	100 - 500
Tilting Angle of Flash Diffuser	Down 15°, up 90°. (7 click stop positions)
Flash Diffuser	at -7.5°, 0°, 15°, 30°, 45°, 60° and 75°.
Window	
Connection to Camera	① On-camera clip on (via hot shoe). ② Off-camera w/wo Power Bounce Grip 2 via TTL Auto Connector T4 (T3) and TTL Auto Cord with OM-2N (OM-2) and OM-1N.
Exposure Calculator	Reversible plate type - blank for OM-2N (OM-2) for TTL "OTF" Auto/Manual flash; calculator for OM-1N (OM-1), OM-10 and non-OM cameras for Normal Auto/Manual flash.
TTL "OTF" AUTO (with OM-2N or OM-2)	Aperture Setting: Continuous, couples with aperture ring setting of camera lens. SBC Sensor Acceptance Angle: Matches view of camera lens. TTL "OTF" AUTO Check: Neon-flicker indication. Viewfinder indication contact provided. Ready Light Check: Charge lamp and viewfinder indication contact. Working Range: 0.18 - 26 m (0.5 - 86 ft.)
NORMAL AUTO	Aperture Setting: 3 apertures (F4, F5.6 and F8 at ASA100). AUTO Check/Ready Light Check: Same as with TTL "OTF" Auto.
MANUAL	Guide Number: HI - 32 (ASA100, m), 104 (ASA100, feet) and LOW - 16 (ASA100, m), 52 (ASA100, feet).



# Check This Out

## Electronic Flash T32

- 3-mode function
- Built-in vertical bounce
- Fast-recycling



## TTL Auto Cord T0.3m

## Eyecup 1

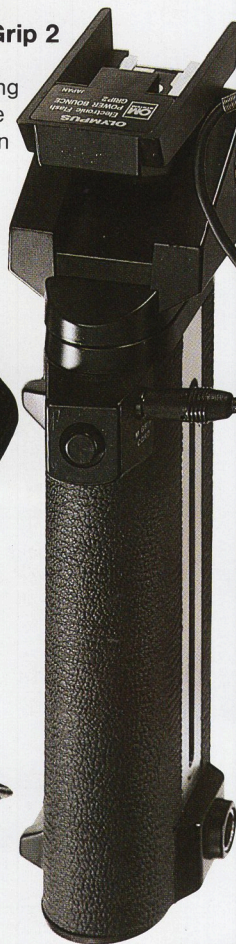
## TTL Auto Connector Type 4

## M. Grip Cord

- For integral operation from bounce grip shutter release

## Power Bounce Grip 2 (Grip Section)

- Free bounce angling
- Extra power source
- Built in release button



## Motor Drive 1

## M. 15V Ni-Cd Control Pack 1

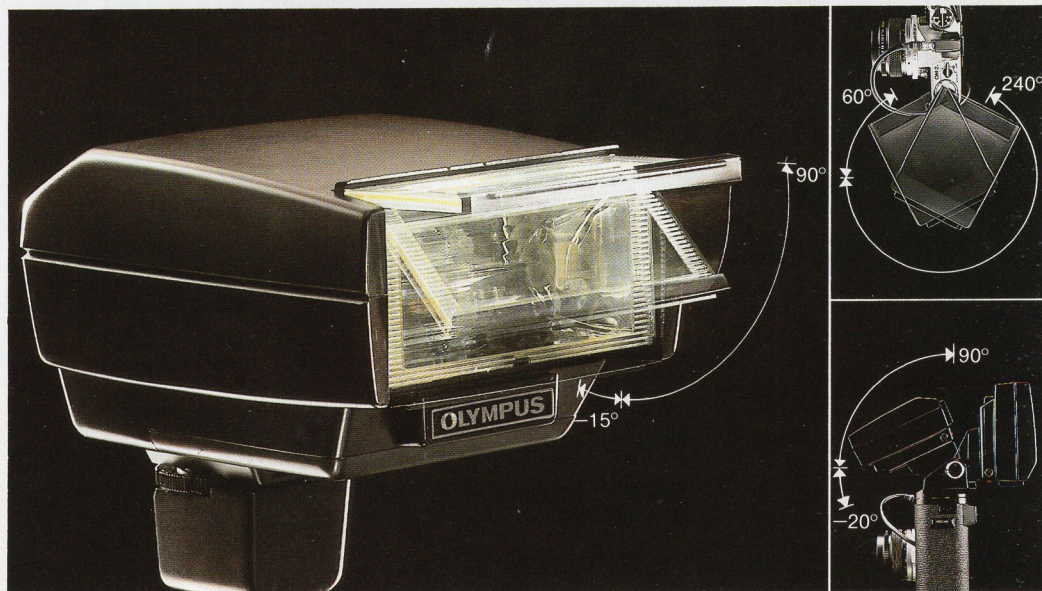
## Power Bounce Grip 2 (Bracket Section)

- Can be turned 180°, to position grip on left or right of camera



<b>Termination of Light Emission</b>	Instantaneous. With power switch off, T32 will not fire even when fully charged.
<b>Power Source</b>	① 1.5V 'AA' battery × 4 (incl. Ni-Cd) inside T32. ② 1.5V 'C' battery × 4 (incl. Ni-Cd) inside Power Bounce Grip 2. ③ AC house current via Electronic Flash AC Adapter 2. ② and ③ are activated by T32 ON/OFF switch.
<b>Dimensions and Weight</b>	104×81×70mm, 320 gr. (less batteries) (4.1"×3.2"×2.8", 11.3 oz.)
<b>POWER BOUNCE GRIP 2 MAIN SPECIFICATIONS</b>	
<b>Type</b>	Bounce grip ("C" battery pack)/bracket unit exclusively for use with Olympus T-series electronic flash units T32 and T20.
<b>Number of Flashes</b>	200 - 1,000 (Alkaline) (coupled with T32 batteries, varies)
<b>Recycling Time</b>	0.2 - 9 sec. (Alkaline) depending on flash- and 0.2 - 7 sec. (Ni-Cd) to-subject distance.)
<b>Bounce Angle Range</b>	Up 90°, down 20°, right 60°, left 240°.
<b>TTL Auto Cord Plug-in</b>	(automatic lock).
<b>Socket</b>	
<b>External Power Socket</b>	Plug-in type.
<b>Dimensions and Weights</b>	Grip section - 197×56×49mm, 320 gr. (7.8"×2.2"×1.9", 11 oz.). (less batteries) Bracket section - 172×46×33mm, 210 gr. (6.8"×1.8"×1.3", 7.4 oz.)

Specifications subject to change without notice.





# for Versatility



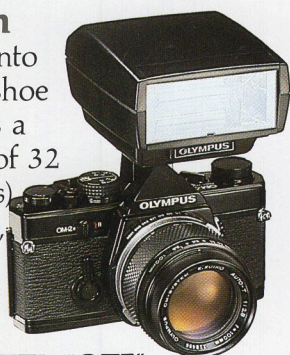
## Multiple Flash Effects

With the TTL Auto Multi Connector you can shoot on TTL "OTF" Auto simultaneously with several T32 or T20 flash units. Normally up to three, but with more than one connector, as many as nine multiple flash exposures for total control over lighting. For the first time in the world, amateurs too can enjoy this exciting professional technique.



## Straight Flash

Just fit the T32 into the camera hot shoe and shoot. It has a Guide Number of 32 (ASA100, meters) or 104 (ASA100, feet) (automatic distance range goes much further with the TTL "OTF" Auto mode with the OM-2), a super wide (24mm lens) flash angle and incredibly fast, simple settings (3 Auto, 2 Manual, and absolutely no setting at all on TTL "OTF" Auto).



## Diffused Flash

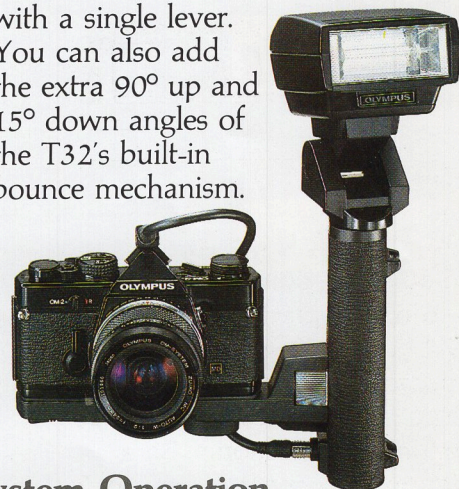
You can put a screen in front of the flash unit to get a soft, shadow-free lighting effect. It will change the exposure factor of the flash but it doesn't affect the accuracy of TTL "OTF" Auto flash with the T32 and the OM-2.



## Bounce Flash

Slip the T32 in the Power Bounce Grip 2,

link it to the OM-2 with the TTL Auto Cord T and you have a high-powered, fully-automatic bounce system with free angulation horizontally, diagonally and vertically. The bounce grip turns 300° left to right, 90° up and 20° down and locks in any position with a single lever. You can also add the extra 90° up and 15° down angles of the T32's built-in bounce mechanism.



## Motor Driven Flash

The T32 features a minimum recycling time of 0.2 sec. When you are shooting close subjects at wide apertures you can get complete flash cycles even with the 5-frame-per-second motor drive. You can also use it together with the Winder 2 for 2.5-frame-per-second action.

## Extra Convenient System Operation

Using a number of OM System units together, the most convenient use of the T32 and bounce grip is with motor drive or winder. The bounce grip will swing 180° so you can secure it either on the left or the right side of the camera. It provides a special release button for the camera shutter, flash and motor driven film advance, leaving your left hand entirely free.

## Macrophoto Flash

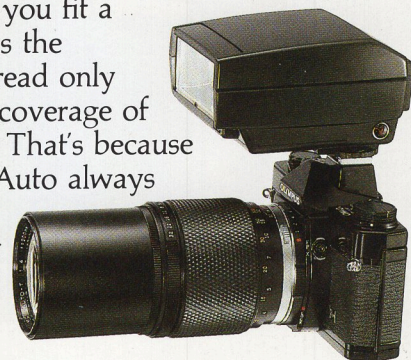
On TTL "OTF" Auto, the flash can get as close as 18cm (0.6 ft.) from the subject. Exposures with the OM-2 are fully automatic.



The enormously high speed of flash is ideal for arresting motion and increasing depth of field of macro subjects since you don't have to worry about exposures.

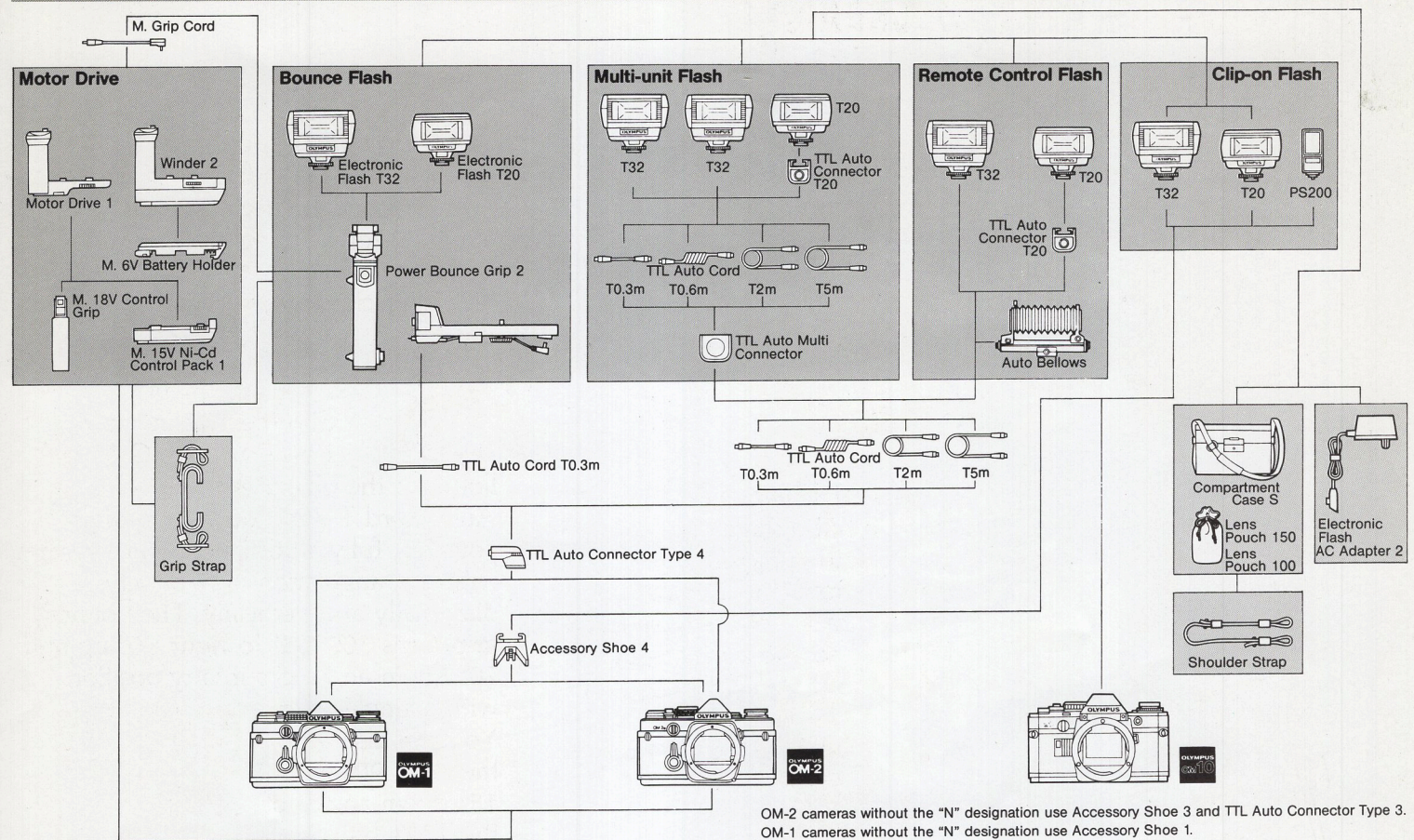
## Accurate Telephoto Shots

Because you can use wide lens apertures you can shoot over 20 meters away on TTL "OTF" Auto. When you fit a telephoto lens the camera will read only the angle of coverage of your picture. That's because TTL "OTF" Auto always reads only the light that comes in through the taking lens.





# CHART OF FLASHPHOTO GROUP



## FLASHPHOTO UNITS

### Power Bounce Grip 2

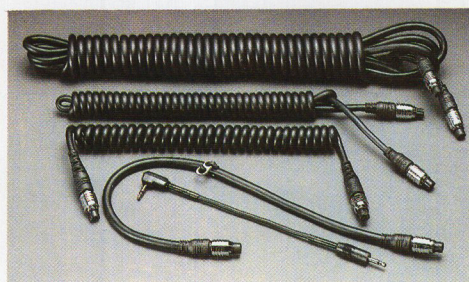
An auxiliary power unit used for converting the Electronic Flash T32 or T20 into a grip-type flash. The grip section contains four 1.5V C batteries. The bounce head can be angled in any direction, with a maximum movement of 90° up, 20° down, 240° to the left and 60° to the right. The separate bracket section can be used to attach the grip to the left or right side of the camera. For TTL "OTF" Auto flash with the OM-2, the grip is linked electrically with the camera via the TTL Auto Cord T (0.3m) and the TTL Auto Connector Type 4.



### TTL Auto Cords T0.3m, T0.6m, T2m, T5m

Used to link the Electronic Flash T32 and T20 units with the OM-1

or OM-2 when used separated from the camera. When multiple flash units are used, each should be linked to the TTL Auto Multi Connector via one of these cords. Special link system prevents accidental detachment.

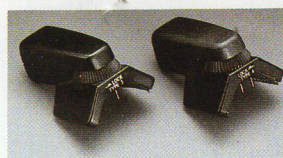


### M. Grip Cord

To connect the remote control shutter release on the Power Bounce Grip 2 with a motor drive or winder, for extra convenient motorized operation.

### TTL Auto Connector Type 4

Used for off-the-camera flash to connect the T32 or T20 to the OM-1 or OM-2 electrically.



For TTL "OTF" Auto flash with the OM-2 without the "N" designation, the **TTL Auto Connector Type 3** is available.

### TTL Auto Multi Connector

For simultaneous multi unit flash photography with the T32 or T20. Each of the three sockets on the connector is linked with the socket on the flash unit via a TTL Auto Cord T. For use with a greater number of flash units, more than one connector can be used simultaneously. The connector is linked to the camera via a TTL Auto Connector and TTL Auto Cord T.



### TTL Auto Connector T20

A special adapter to connect the Electronic Flash T20 to a TTL Auto Cord T for use off-the-camera.



## A Compact, Cordless, Space-Age Date Imprinter.

- So Compact It Can Be Kept on Camera Permanently
- Fully Automatic Date and Timekeeping
- Quartz Watch Accuracy
- Cordless Contacts

The Recordata Back 3 is an extremely compact, easy-to-use unit for recording dates and times automatically on the photograph simultaneously with the exposure. It features cordless contact on the OM-1 and OM-2 cameras\* and can be left on permanently. A special camera case for use with the back will be available shortly.

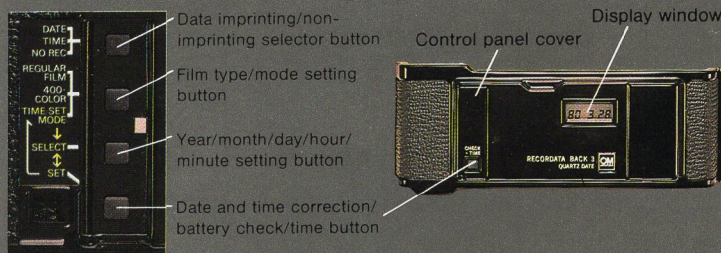


The date and time need only be set once by a simple push button method on the liquid crystal display. The quartz device will then maintain time accurate within  $\pm 15$  seconds per month (at normal temperature and humidity), and the LSI has a complete memory storage for months and leap years until the year 2009.

The Recordata Back 3 provides one button switching to select automatic imprinting of Year, Month and Day or Day, Hour and Minute or to switch the recordata mechanism off.

\* Cameras without the "N" designation require a connecting cord. This cord is included with each Recordata Back 3.

## RECORDATA BACK 3 <QUARTZ DATE>



The liquid crystal display can additionally be used as a watch.

Any film speed between ASA25 and ASA400 (black and white ASA80—ASA400) can be used, but care should be taken not to imprint the data (on the lower right of the photograph) against an excessively bright background.

## WINDER 2



Specifications and exterior design of OM units subject to change without notice.

## Fast, Small and Light with "Sequence" or "Single" Operation.

Retaining the extremely compact, lightweight format for which OM System motor drive units are renowned, the Winder 2 boasts a speed of up to 2.5-frames-per-second, in sequential or single frame operation. Its performance is far superior to the average, and approaches that of many full-fledged motor drive systems.

The Winder 2 can be used together with the 250 Film Back 1 and other units of the OM System Motor Drive Group. It features a separate battery power source for use in extreme temperatures and provision for wired or wireless remote control operation.



Progress  
through  
Precision

**OLYMPUS**  
OLYMPUS OPTICAL CO., LTD. Tokyo, New York, Hamburg, London