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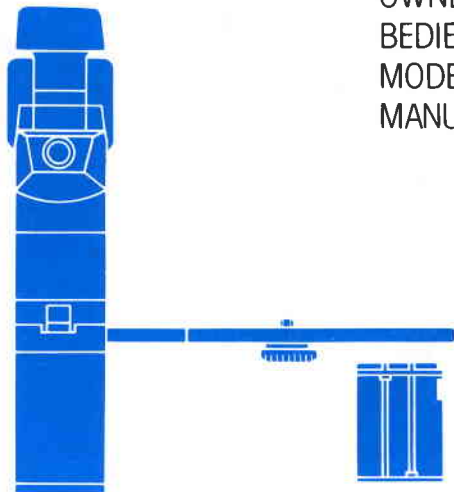
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MINOLTA

POWER GRIP 2 SET

OWNER'S MANUAL
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
MANUAL DE INSTRUCCIONES



Your Minolta Power Grip 2 Set and its accessories widen the versatility of the Minolta Program System and other SLR accessories.

Power Grip 2 supplements the batteries of Auto Electroflash 360PX, 280PX, 320X, or 320, enabling flash sequences at up to 3.5 frames per second with Motor Drive 1. Power can be supplied by six AA-size nickel-cadmium, alkaline-manganese, or sealed carbon-zinc batteries inserted in the set's Battery Cartridge PG or by the optional accessory Ni-Cd Battery Pack NP-2 to decrease recycling time and increase flashes per charge or set of batteries. The unit's power-saving circuit automatically switches it off approximately two minutes after the grip switch is released.

Mounted on either the camera's right or left by using the set's reversible, slide-in Camera Bracket 2, the power grip is balanced for comfortable holding. The set's Cable OC connects the power grip and camera hot shoe for flash/camera control — including Minolta Direct Autoflash Metering with the X-700, X-500, or X-570 plus the 360PX or 280PX. The power grip's bounce head tilts up and down and rotates right to left for bounce autoflash photography.

Power Grip 2 can also be used with the control unit of Auto Electroflash Macro 80PX Set to provide shorter recycle times and more flashes per set of batteries.

Optional accessories for use with Power Grip 2 are: Cable MD for finder-readout control and shutter releasing from the power grip's convenient operating button when using Motor Drive 1; Cable AW for shutter releasing from the power grip's operating button when using Auto Winder G or D; Cable FB for connection with the Multi-Function Back for automatic charge control during flash time-lapse photography; and Cable EX enabling positioning the power grip and flash away from the camera for sidelighting and other special flash techniques.

Before using your Power Grip 2 and its accessories for the first time, please read this manual all the way through — or at least all sections covering your needs — so that you will be able to operate them correctly and realize their full potential right from the start.



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NAMES OF PARTS



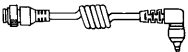

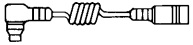


Power Grip 2

- ① Flash power connector
- ② Bounce head
- ③ Bounce-head lock
- ④ Charging monitor light
- ⑤ Cable-OC terminal
- ⑥ Grip switch
- ⑦ Cable-FB terminal
- ⑧ Battery-chamber cover (not shown)
- ⑨ Flash shoe
- ⑩ Bounce-angle indicators
- ⑪ Operating button
- ⑫ Cable-MD/Cable-AW terminal
- ⑬ Bracket release
- ⑭ Mounting index (both sides)
- ⑮ Bracket slot
- ⑯ **Battery Cartridge PG**
- ⑰ **Camera Bracket 2**
(see p. 8 for names of parts)
- ⑱ **Cable OC**



STANDARD AND OPTIONAL CABLES

	Name	Used with:	Remarks
STANDARD	<p>Cable OC</p>  <p>PG plug Hot-shoe connector</p>	Camera with hot shoe	<ul style="list-style-type: none"> • Necessary for connecting power grip and camera hot shoe for flash/camera control • Not necessary when 360PX is used with Off-Flash Sensor or sync cord or when 320X or 320 is used with Remote Sensor Adapter or sync cord
	<p>Cable MD</p>  <p>PG/MD plug PG/MD plug</p>	Motor Drive 1	<ul style="list-style-type: none"> • Necessary for viewfinder-readout control and shutter releasing from power grip's operating button • Not necessary when using camera's or motor drive's operating button
OPTIONAL	<p>Cable AW</p>  <p>PG plug Camera plug</p>	Auto Winder G or D Camera without auto winder or motor drive	<ul style="list-style-type: none"> • Necessary for releasing shutter from power grip's operating button (Viewfinder display cannot be turned on from power grip.) • Not necessary when using camera's operating button
	<p>Cable FB</p>  <p>PG plug MFB plug</p>	Multi-Function Back	<ul style="list-style-type: none"> • Necessary for power-saving automatic flash-charge control in time-lapse photography at intervals greater than one minute
	<p>Cable EX</p>  <p>Plug Socket</p>	Cable OC	<ul style="list-style-type: none"> • Necessary when placing power grip and flash further from camera than possible with Cable OC alone

Instructions on use of optional cables are given in applicable owner's manuals.

POWER SOURCE

Usable battery types

Your Minolta Power Grip 2 is designed to be powered by any of the following:

- Minolta Ni-Cd Battery Pack NP-2 fully charged in Minolta Ni-Cd Charger QC-1 (see owner's manual for charging instructions and cautions)
- Six AA-size (1.2V) nickel-cadmium ("Ni-Cd" or "nicad") batteries fully charged in a designated battery charger, then inserted in Battery Cartridge PG
- Six AA-size (1.5V) alkaline-manganese ("AM" or "alkaline") batteries inserted in Battery Cartridge PG
- Six AA-size (1.5V) sealed carbon-zinc batteries inserted in Battery Cartridge PG

NOTES

- When replacing batteries, be sure to change all six at one time. If exhausted batteries are used with fresh ones, or if different types of batteries are used together, there is a possibility of battery leakage or bursting.
- If batteries are inserted in reverse position, the flash will not operate.
- Although it is not necessary to include batteries in the flash unit itself when using Power Grip 2, recycling time and flashes per charge or set of batteries will be improved by doing so.
- Battery capacity tends to decrease as temperatures go down, resulting in longer recycling time and fewer flashes per charge or set of batteries. For cold-weather operation, it is recommended to carry a spare set of batteries and, especially below 0°C (32°F), to use Ni-Cd batteries. Battery capacity will be restored as temperatures rise.



Installing batteries or battery pack

1. Remove the battery-chamber cover on the bottom of the power grip by sliding the lock in the direction of the arrow.

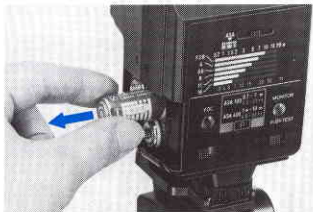


2. When using AA-size batteries, insert them in Battery Cartridge PG with their terminals oriented as shown by the diagrams inside the cartridge.



3. With the terminals oriented as shown, insert Battery Cartridge PG or Ni-Cd Battery Pack NP-2 into the power grip's battery chamber.
4. Snap the battery-chamber cover back into place. If the cartridge or battery pack was not inserted correctly, the battery-chamber cover will not close.

Battery check



Conduct the following battery check after inserting the battery cartridge or battery pack and each time before using the power grip:

1. Attach a 360PX, 280PX, 320X, or 320 flash unit or Macro 80PX control unit (without batteries in flash itself) to the power grip (see p. 8).
2. Turn the flash's power switch on and time how long it takes the flash's monitor light to come on. If it takes longer than indicated at right, replace or recharge the batteries or battery pack.



Ni-Cd Battery Pack NP-2	15 sec.
Ni-Cd batteries	15 sec.
Alkaline-manganese batteries	30 sec.
Sealed carbon-zinc batteries	30 sec.

NOTE

- It is recommended to have replacements ready if the recycling time for Ni-Cd batteries or Ni-Cd Battery Pack NP-2 exceeds two seconds or the recycling time for alkaline-manganese or sealed carbon-zinc batteries exceeds ten

- The power grip's charging monitor light comes on as soon as the power grip starts charging the flash, so be sure to check the monitor light on the flash itself.

Winder/motor-drive sync

The tables show combinations of power grip batteries and flash batteries that make it possible to take at least 40 continuous flash pictures at rates of up to 2 or 3.5 frames per second.

NP-2: Minolta Ni-Cd Battery Pack NP-2

Ni-Cd: AA-size (1.2V) nickel-cadmium cells

AM: AA-size (1.5V) alkaline-manganese cells

C-Zn: AA-size (1.5V) sealed carbon-zinc cells

360PX		Ni-Cd			AM			None		
		1/16	-	1/8	1/16	-	1/8	1/16	-	1/8
Power Grip 2	NP-2	⊙	⊙	○	⊙	○	○	⊙	○	○
	Ni-Cd	⊙	⊙	○	⊙	○	○	○	○	X
	AM	○	○	X	○	X	X	X	X	X
	C-Zn	○	○	X	X	X	X	X	X	X
	None	X	X	X	X	X	X	X	X	X

320X 320		Ni-Cd			AM			C-Zn			None		
		1/16	-	1/8	1/16	-	1/8	1/16	-	1/8	1/16	-	1/8
Power Grip 2	NP-2	⊙	⊙	○*	⊙	○	○	⊙	○	○	⊙	○	○
	Ni-Cd	⊙	⊙	○*	⊙	○	○	⊙	○	○	⊙	○	○
	AM	⊙	○	○	○	○	X	○	○	X	○	X	X
	C-Zn	○	○	X	○	X	X	X	X	X	X	X	X
	None	○	X	X	X	X	X	X	X	X	X	X	X

280PX		NP-2	AM	C-Zn	None
Power Grip 2	NP-2	⊙	⊙	⊙	⊙
	Ni-Cd	⊙	⊙	⊙	⊙
	AM	⊙	○	○	X
	C-Zn	○	○	○	X
	None	○	X	X	X

("Lo" power setting, "A" or "M" mode)

* 2fps also possible at power-level setting halfway between 1/8 and 1/4.

EXPLANATION

○: up to 2 frames per second with Motor Drive 1 or Auto Winder G or D

⊙: up to 3.5 frames per second with Motor Drive 1
Standard Minolta test values; actual performance depends on brand, lot number, age, and temperature of batteries.

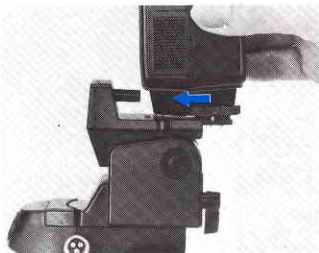
ATTACHING FLASH, POWER GRIP, AND CAMERA (Camera Bracket 2)

Attaching flash

Power Grip 2 can be used with Auto Electroflash 360PX, 280PX, 320X, 320, or Macro 80PX.

Attach the flash unit to the power grip as follows:

1. Make sure the flash's power switch is off.
2. Slide the flash's mounting foot straight back into the power grip's flash shoe and flash power connector, making sure it goes all the way in so all flash and power grip contacts connect properly.
3. Turn the flash's clamp clockwise to secure the unit.



Power Grip 2 can be placed either on the right or left side of the camera by using the reversible Camera Bracket 2 and changing the direction of the camera attaching screw. To reverse the screw, slide it to the far end of the camera positioning slot and unscrew it. Then screw it back in on the other side.

Camera Bracket 2

Auxiliary socket

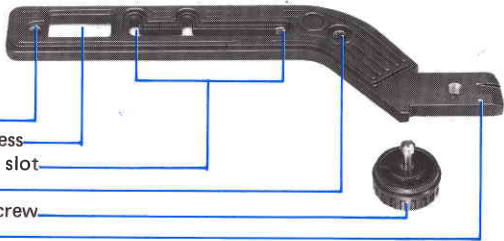
Rewind-button access

Camera positioning slot

Tripod socket

Camera attaching screw

Mounting index



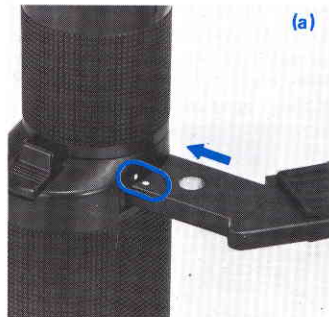


Attaching power grip on right

Align the white mounting indexes of the camera bracket and left side of the power grip (a) and slide the bracket into the power grip's bracket slot until it locks into place. Then move the camera attaching screw to the desired place in the camera positioning slot, align the motor drive's or auto winder's tripod socket, and tighten the camera attaching screw by turning it clockwise (b).

Attaching power grip on left

Reverse the camera bracket and slide it into the bracket slot from the right. Reverse the camera attaching screw as explained on the previous page (for the CLE camera, use the auxiliary socket).



Removing camera bracket

To remove the camera bracket, press the power grip's bracket release and pull the bracket out of the bracket slot.



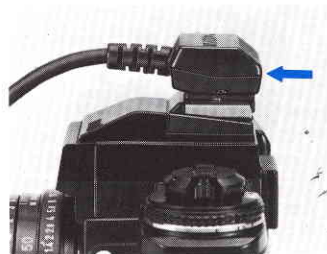
Mounting power grip on tripod

To mount the camera and power grip on a tripod, use one of the tripod sockets on the camera bracket. Do not use excessive force if using the auxiliary socket to attach the tripod, especially if the tripod has a screw that will extend more than 7mm above the mounting platform.

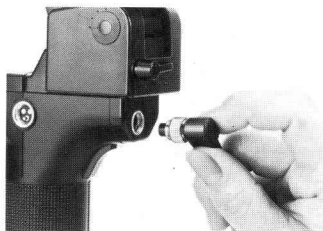
FLASH-SYNC CONNECTION (Cable OC)

Cable OC is used to connect the power grip and camera for flash sync (any camera with hot shoe), flash-ready signal transmission and camera control (360PX, 280PX, 320X, or Macro 80PX plus any Minolta SLR with flash-ready indication), and exposure control by Direct Auto-flash Metering (X-700, X-500, or X-570 plus 360PX, 280PX, or Macro 80PX).

When using the 360PX, 320X, or 320 with a camera not equipped with a hot shoe, attach the flash's PC cord to the camera's X-sync terminal. In this case, or if you use the 360PX's optional Off-Flash Sensor or the 320X or 320's Remote Sensor Adapter, it is not necessary to use Cable OC.



1. With the cord pointing towards the front of the camera, slide the hot-shoe connector of Cable OC all the way into the camera's hot shoe so that all contacts connect properly.



2. After unscrewing the cap from the power grip's Cable-OC terminal, align the groove on the PG plug of Cable OC with the protrusion in the Cable-OC terminal and push the plug in. Then tighten the plug by turning its outer ring clockwise. The Cable-OC terminal rotates 180° to avoid placing strain on the cable.

Operation check

Conduct an operation check as follows:

- For the 360PX, 280PX, 320X, or Macro 80PX and a Minolta camera equipped for flash-ready signal transmission, turn the flash's power switch on and wait until the flash's monitor light comes on. Then touch or slightly press the camera's operating button and see whether the viewfinder's flash-ready indicator comes on.
- When either the flash (i.e., the 320) or camera is not equipped for flash-ready signal transmission, conduct the test (before loading film) by checking whether the flash fires when the camera's operating button is fully pressed.

NOTE

- Up to five Cable EX's (sold separately) can be used in series with Cable OC to position the flash and power grip further from the camera (up to 6m) if desired for sidelighting and other off-camera flash techniques.

AUTOMATIC CHARGE CUT-OFF

To reduce power consumption, Power Grip 2 has a built-in timer that automatically shuts off the power grip's charging circuit if the flash is not fired within approximately two minutes after pressure is removed from the grip switch.



When the circuit is cut, the power grip's charging monitor light, flash's monitor light, and viewfinder's flash-ready LED indication will go out.

To charge the flash after the charging circuit has been shut off, press the grip switch again.

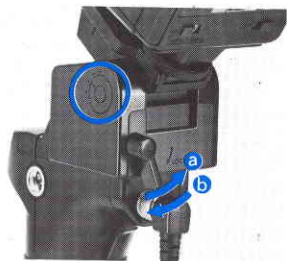
NOTES

- If batteries are inserted in the flash itself, the flash will remain charged even after the power grip's charging circuit is shut off.
- When the flash is first turned on, it is not necessary to press the grip switch.

BOUNCE FLASH

The bounce head of Power Grip 2 tilts 90° up and 10° down and rotates 90° to the right and 120° to the left. To take bounce-flash photos:

1. Attach the flash to the power grip.
 2. Turn the bounce-head lock 90° counterclockwise (a).
 3. Set the bounce head as desired (see p. 14). The power grip has vertical bounce-angle indicators at 0°, 30°, 60°, and 90°, and click stops at 0° and 65°. It has horizontal click stops at 90° positions.
- Although bounce-flash photographs can be taken with the 360PX, 320X, or 320 simply by using the bounce head of the flash itself, the possible bounce angles are greater if the power grip's bounce head



is used either alone or with the flash's bounce head. When used together, the angles are: 180° up, 210° to left, 180° to right.

4. Tighten the bounce head by turning the bounce-head lock 90° clockwise (b).

Bounce-flash exposure

For bounce-flash photos, the autoflash ranges and manual settings are based on the distance light actually travels from flash to reflective surface to subject, not on the actual flash-to-subject distance.

- With the 360PX or 280PX and X-700 in P or A mode or X-500 or X-570 in A mode, bounce-flash control will be by Minolta Direct Autoflash Metering. Sufficient exposure can be confirmed by the flash's and camera's FDC lights.
- With the 360PX in Sensor Auto mode or 320X or 320 in auto mode, the flash's built-in sensor will control exposure, which can be prechecked with the test button and FDC lamp. If the power grip's bounce head is positioned so the on-flash sensor does not face the subject, use the 360PX's Off-Flash Sensor or the 320X or 320's Remote Sensor Adapter instead of Cable OC.

Bounce surface

- To obtain a soft, natural lighting effect, the bounce surface should be able to disperse the light broadly. A mirror-like surface is not desirable.
- Since dark colors will decrease the amount of light reflected and may cause insufficient exposure, the surface should be as light as possible.
- For color bounce-flash photos, the surface should be as near white as possible, since colored surfaces will influence the color rendition of the photo.

Bounce angle

- For bounce-flash photos, aim the flash so light will strike the ceiling or wall roughly halfway between the flash and subject. If some light from the flash directly strikes the subject, illumination may be uneven. The table below gives the recommended minimum bounce angle (from horizontal) for various lenses.

Focal length	Minimum angle
24mm	65°
28mm	60°
35mm	55°
45mm	50°
50mm	50°
85mm	45°
100mm	45°

- When turning the bounce head sideways, the angle should be about 90° to keep light from directly striking the subject.
- It is not recommended to use the wideangle diffuser for bounce flash.

NOTE

- When the subject is between 0.5 to 1m from the camera, tilt the bounce head 10° down for parallax correction.

TECHNICAL DETAILS

Type: Power grip for Minolta Auto Electroflash 360PX, 280PX, 320X, 320, Macro 80PX

Power source: Minolta Ni-Cd Battery Pack NP-2, or six AA-size 1.2V Ni-Cd, 1.5V alkaline-manganese, or 1.5V sealed carbon-zinc batteries inserted in Battery Cartridge PG

Camera/flash connection: Hot shoe and flash power connector for slide-in, cordless connection of power grip and flash; terminal for connection with camera by Cable OC for flash sync (any camera with hot shoe), flash-ready signal transmission and automatic flash-sync-speed setting (360PX, 280PX, 320X, or Macro 80PX plus any Minolta with camera-control contact), and exposure control by Minolta Direct Autoflash Metering (X-700, X-500, or X-570 plus 360PX, 280PX, or Macro 80PX)

Controls and other: Operating button for controlling viewfinder LED display and releasing camera shutter from power grip; automatic charge cut-off if flash not fired within approx. two minutes after grip switch released; charging monitor light

Bounce control: 90° up, 10° down; 90° to right, 120° to left; bounce-angle indicators and bounce-head lock

Motorized flash operation: With 360PX, 280PX, 320X, or 320, up to 2fps with Motor Drive 1 (set at "Lo") or Auto Winder G or D, and up to 3.5fps with Motor Drive 1 (set a "Hi") using applicable power sources (see tables on p. 7)

Standard accessories: Reversible, slide-in Camera Bracket 2 for mounting power grip on camera's right or left; Cable OC for connection with camera hot shoe; Battery Cartridge PG for holding six AA-size batteries

Optional accessories: Cable MD for controlling viewfinder LED display and releasing shutter from power grip's operating button when using Motor Drive 1; Cable AW for releasing shutter from same button when using Auto Winder G or D; Cable FB for automatic flash-charge control during flash time-lapse photography with Multi-Function Back; Cable EX for positioning power grip and flash further from camera for sidelighting and other off-camera flash techniques

Number of flashes/recycling times*: See tables below and on following pages.

*as determined by Minolta's standard test method. Actual performance will depend on type, brand, manufacturer's lot, age of batteries, and ambient temperature.

Dimensions: Height: 226mm (approx. 9 in.); width: 215mm (approx. 8-1/2 in.); depth: 90mm (approx. 3-1/2 in.) — outer dimensions with camera bracket attached

Weight: 520g (approx. 1 lb. 2-1/3 oz.) without battery pack or cartridge

Auto Electroflash 280PX

Power Grip 2 batteries		Ni-Cd Bat. Pack NP-2 or Ni-Cd (6)		AM (6)		C-Zn (6)	
Power level Flash batteries		Hi	Lo	Hi	Lo	Hi	Lo
		Flashes per charge or set of batteries *1	Ni-Cd (4)	200-1300	1200-1300	300-2000	1800-2000
AM (4)	300-3000		2600-3000	500-3500	3000-3500	300-2500	2400-2500
C-Zn (4)	170-2000		1600-2000	300-2500	2200-2500	140-1800	1400-1800
None	100-700		600-700	250-1600	1200-1600	70-500	400-500
Recycling time (seconds) *2	Ni-Cd (4)	0.2 - 0.9	0.2	0.2 - 1.5	0.2	0.2 - 2.0	0.2
	AM (4)	0.2 - 1.0	0.2	0.2 - 2.0	0.2	0.2 - 2.5	0.2
	C-Zn (4)	0.2 - 1.1	0.2	0.2 - 2.5	0.2	0.2 - 3.0	0.2
	None	0.2 - 1.2	0.2	0.2 - 3.5	0.2	0.2 - 5.5	0.2

*1, *2: See notes on page 18.

Auto Electroflash 360PX

Power Grip 2 Batteries		Ni-Cd Bat. Pack NP-2 or Ni-Cd (6)		AM (6)		C-Zn (6)		
Power level Mode Flash batteries		Full	1/16	Full	1/16	Full	1/16	
Flashes per charge or set of batteries *1	Ni-Cd (4)	TTL	100 ~ 1000	900 ~ 1000	190 ~ 1500	1000 ~ 1500	80 ~ 1000	700 ~ 1000
		AUTO	100 ~ 950	900 ~ 950	190 ~ 1300	1000 ~ 1300	80 ~ 900	700 ~ 900
	AM (4)	TTL	160 ~ 2000	1500 ~ 2000	280 ~ 3000	2400 ~ 3000	160 ~ 2000	1800 ~ 2000
		AUTO	160 ~ 1900	1500 ~ 1900	280 ~ 2600	2400 ~ 2600	160 ~ 1800	1800
	None	TTL	60 ~ 450	400 ~ 450	150 ~ 800	700 ~ 800	25 ~ 500	400 ~ 500
		AUTO	60 ~ 430	400 ~ 430	150 ~ 750	700 ~ 750	25 ~ 470	400 ~ 470
Recycling time (seconds) *2	Ni-Cd (4)	TTL	0.2 ~ 2	0.2	0.2 ~ 3	0.2 ~ 0.3	0.2 ~ 3	0.2 ~ 0.3
		AUTO	0.2 ~ 2	0.2	0.2 ~ 3	0.2 ~ 0.3	0.25 ~ 3	0.25 ~ 0.3
	AM (4)	TTL	0.2 ~ 2	0.2	0.25 ~ 4	0.25 ~ 0.4	0.4 ~ 5	0.4 ~ 0.5
		AUTO	0.2 ~ 2	0.2	0.3 ~ 4	0.3 ~ 0.4	0.45 ~ 5	0.45 ~ 0.5
	None	TTL	0.25 ~ 3	0.25 ~ 0.3	0.5 ~ 8	0.5 ~ 0.8	0.9 ~ 16	0.9 ~ 1.3
		AUTO	0.25 ~ 3	0.25 ~ 0.3	0.7 ~ 8	0.7 ~ 0.8	1.1 ~ 16	1.1 ~ 1.3

*1, *2: See notes on page 18. TTL: TTL Auto (P or A mode) AUTO: Sensor Auto

Auto Electroflash Macro 80PX

Recycle time with freshly charged Ni-Cd's: 0.9 sec. (at max. flash range)

Number of flashes with fresh AM's: 500 (at max. flash range)

Auto Electroflash 320X and 320

Power Grip 2 batteries		Ni-Cd Bat. Pack NP-2 or Ni-Cd (6)		AM (6)		C-Zn (6)	
Flash batteries		Power level *3		Power level *3		Power level *3	
		Full	1/16	Full	1/16	Full	1/16
Flashes per charge or set of batteries *1	Ni-Cd (4)	130-800	600-800	220-1300	1000-1300	100-900	700-900
	AM (4)	230-2000	1500-2000	350-2300	1800-2300	200-2000	1500-2000
	C-Zn (4)	100-900	700-900	200-1600	1200-1600	80-650	500-650
	None	70-700	500-700	160-800	600-800	40-400	300-400
Recycling time (seconds) *2	Ni-Cd (4)	0.2 - 1.2	0.2	0.2 - 2.2	0.2	0.2 - 2.5	0.2
	AM (4)	0.2 - 1.4	0.2	0.2 - 2.5	0.2	0.2 - 4.0	0.2
	C-Zn (4)	0.2 - 1.5	0.2	0.2 - 3.0	0.2	0.2 - 5.0	0.2
	None	0.2 - 2.0	0.2	0.2 - 5.0	0.2	0.2 - 9.0	0.2

NOTES

*1 Flashes per charge or set of batteries

Left figure: autoflash at maximum range and manual flash

Right figure: autoflash at minimum range**

*2 Recycling time

Left figure: autoflash at minimum range**

Right figure: autoflash at maximum range and manual flash

*3 Intermediate power-level settings between full and 1/16 also usable

Ni-Cd: AA-size (1.2V) nickel-cadmium cells

AM: AA-size (1.5V) alkaline-manganese cells

C-Zn: AA-size (1.5V) sealed carbon-zinc cells

**280PX/360PX and X-700, X-500, or X-570:

ASA 100, f/1.4, 0.7m

320X or 320:

ASA 100, f/2.8, 0.7m

GENERAL PRECAUTIONS

- The flash power connector of the power grip is designed for use only with the Minolta Auto Electroflash 360PX, 280PX, 320X, 320, or Macro 80PX. Do not attempt to plug other flash units into the connector, as doing so may damage either unit or create a fire hazard.
- Power Grip 2 is designed for use at temperatures between -10°C and $+50^{\circ}\text{C}$. If the unit becomes colder or hotter than this, operation may be unsatisfactory and the unit may be damaged.
- The power grip should never be placed or left in the glove compartment or other places in motor vehicles or elsewhere in which it may be subject to high temperatures. Further, do not store it in humid places, near corrosive chemicals, or where it would be exposed to dust or dirt. Store in a cool, well ventilated place.
- If the power grip is not to be used for two weeks or more, its batteries or battery pack should be removed to prevent damage from battery leakage or bursting.
- The power grip may be wiped with a silicone-treated cloth or a cloth slightly moistened with a mild detergent to clean it. Do not allow alcohol or other chemicals to touch its surface.
- Close supervision is necessary when the power grip is used by or near children. Do not leave the unit unattended while in use.
- Do not operate the power grip if it has been dropped or damaged — until it has been examined by an authorized Minolta service facility.
- To protect against electric shock hazards, do not immerse the unit in water or other liquids.
- Never attempt to disassemble the unit. Any repairs necessary should be done by an authorized Minolta service facility.

Specifications subject to change without notice