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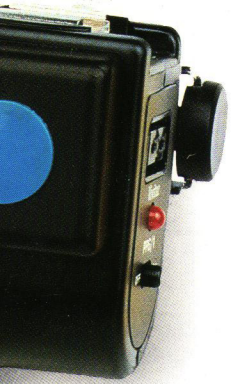
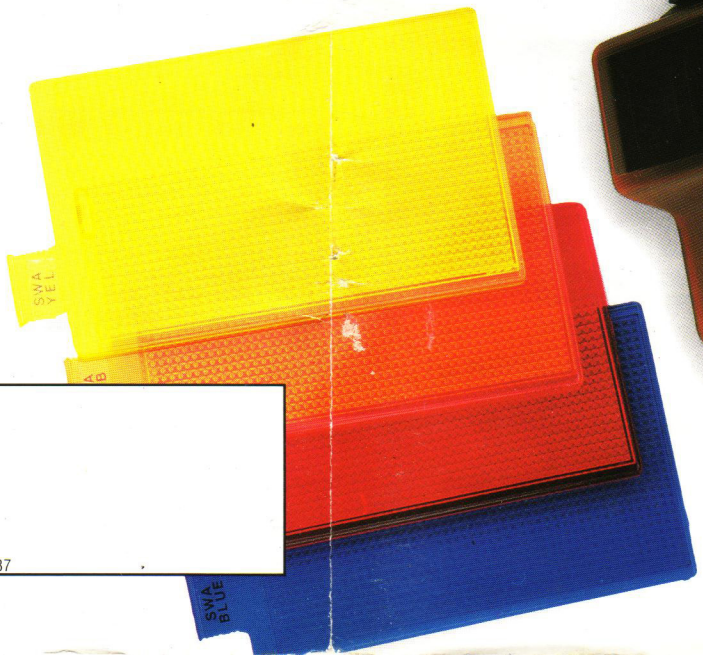
Vivitar

FLASH & ACCESSORIES





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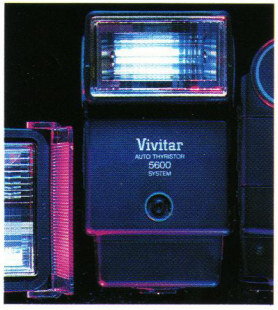
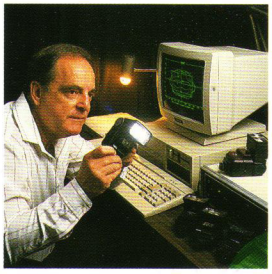
BRINGING FLASH PHOTOGRAPHY OUT OF THE DARK AGES

When most people think of electronic flash, they think of Vivitar. That's because we're the leader in innovative flash equipment—the specialists who brought flash photography out of the dark ages by developing and patenting advanced, innovative products. Like battery-saving Auto Thyristor™ circuitry, the single most important achievement in electronic flash in the past 12 years.



Vivitar, in fact, holds a patent on thyristor circuitry which is now utilized by virtually every other flash manufacturer in the world! And we've pioneered numerous other advanced features as well, that contribute to making stunning flash photographs remarkably simple to take.



The following are only some of the Vivitar innovations that have set standards for the industry:

- *The first portable, full-system electronic flash (1974)*
- *The first super-fast, 15-minute rechargeable Nickel-Cadmium power system for flash (1975)*
- *The first zoom flash heads (1976)*
- *The first interchangeable dedicated flash module system for 35mm SLR cameras (1980)*
- *The first interchangeable flash heads system for camera-mounted flash units (1982)*
- *The first Liquid Crystal Display in a dedicated flash (1983)*

The use of liquid crystal displays (LCDs) coupled with Central Processing Units (CPUs or microcomputers) makes possible pushbutton programmable flash. In simple terms, these new technologies make flash photography a breeze by instantly computing and displaying all the information necessary to take great pictures.

And the special electronics built into our dedicated flash units interface perfectly with the flash circuitry in most of today's popular 35mm SLR cameras. The result: accurate exposure settings are made for you—automatically. So it's not hard to understand why the satisfied owners of Nikon, Canon, Minolta, Olympus, Pentax and other popular SLRs turn to Vivitar for their electronic flash equipment. Vivitar flash units simply have more innovative features and are consistently more affordable than flash units offered by camera companies.

Note: All guide numbers are for ISO 100 film.

Model 636AF

Here's a powerful unit that's designed to make the most of today's high-tech, auto focus SLRs. It even features a sophisticated illuminator beam that permits auto focus cameras to focus in low-light, low contrast situations, or even in total darkness as far away as 33 feet. And with that maximum working distance, the auto focus illuminator beam in the 636AF is more than twice as powerful as those in higher-priced camera brand flash units.

Designed to take full advantage of all flash functions in the popular auto focus SLRs, the 636AF provides complete TTL (through-the-lens) auto exposure flash operation in all camera modes including "program." And with cameras designed for that function, the 636AF even provides automatic fill-flash for creative outdoor use.

Soft bounce-light effects are made simple with the 636AFs vertical tilting flash head, with settings at 0°, 15°, 30°, 45°, 60°, 75°, and 90° (straight up). The flash head also features a precise optical zooming system for matching flash output to the angle of view of your camera lens from wide-angle to telephoto (28mm–85mm).

636AF/DM & PM Module Flash Units

Audible Sufficient Light Indication[2,3]	Audible Ready Indication[3]	Viewfinder Flash-ready Indication	Sufficient Light Indication/Auto-check in VF	TTL Sensing Interface	Sets Aperture Automatically	Sets Shutter Speed Automatically	Program Flash	Activates Auto Focus Illuminator
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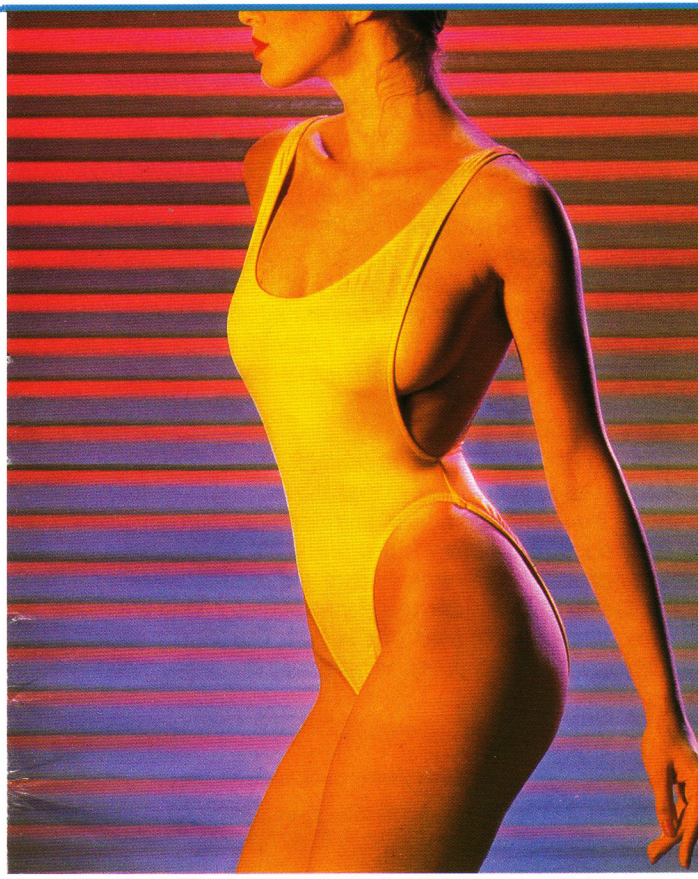
[4]530FD/550FD only. [5]Not with 530FD/550FD. [6]628AF/636AF only.



Model 628AF

The 628AF Flash was designed for simplicity; basically only having an on-off switch! It's a compact, moderately priced flash that's developed specifically for use with the new auto focus SLRs. With features comparable to more expensive camera-brand units, the easy-to-use 628AF offers the accuracy of TTL (through-the-lens) flash metering. And with a guide number of 92, it's very powerful for a flash that weights a mere seven ounces.

The sophisticated illuminator beam in the 628AF enables auto focus cameras to focus automatically in low-light, low-contrast situations, or even in total darkness. The unique auto focus illuminator beam has a working distance of 23 ft.

The versatile 628AF provides complete TTL auto exposure flash operation in all camera modes including "program," and even provides flash fill outdoors with cameras capable of that function.

The special Accu-Trak™ circuitry in the 628AF provides precise automatic exposure for close-up photography.

Vivitar's Auto Thyristor circuitry extends battery life and provides fast recycling time and a maximum number of flashes per set of batteries. The unit also features "Auto-Off" circuitry to further extend battery life: The flash automatically shuts itself off after it has been idle for three minutes.

The 628AF is powered by four AA alkaline or rechargeable Nickel-Cadmium batteries and is fully color-corrected to provide accurate color rendition. With alkalines it provides 200–3000 flashes with a recycling time of 0.2 to 6.5 seconds. With NiCads, recycling time is 0.2 to 4.0 seconds with 100 to 1500 flashes.

The unit comes complete with a 28mm wide-angle panel.

Like the Vivitar DM dedicated units, the PM system is comprised of camera/flash interface modules, which are attached to the flash for dedication. These modules are designed for Vivitar's flash units that feature Liquid Crystal Displays—the 5200 and 5600. Called Processor Modules, they are designated with the PM prefix. A PM/C is a Processor Module for Canon, etc. Vivitar's PM-Type flash units—the 5200 and 5600, will, in most cases, take complete advantage of your camera's built-in capabilities for flash. This includes TTL and program flash—even on the new auto focus 35mm SLR cameras.

Model 5600

Like any other revolutionary product, our 5600 utilizes leading-edge technology to create a flash system that offers more control, power, and flexibility than any unit in its class. At its heart is a sophisticated microcomputer that processes programmed data and monitors important functions. Film speed and desired f/stop are programmed at the push of a button. The 5600's microcomputer then computes and displays the entire auto range on the LCD panel—an LCD panel so sophisticated that it monitors 15 vital flash signs and must be seen to be believed.

With the 5600 you have a choice of 8 automatic f/stops and 12 manual ones depending upon film speed. And for added versatility, we gave the 5600 4 optional flash heads (see below), including the popular High Power Zoom Head, with its maximum auto exposure range of 111 ft. If you are ready for the ultimate in creative flash photography, ask your Vivitar dealer for a complete demonstration of the 5600 and its complete accessory system.

Standard Head

This head provides a guide number of 100 and includes Vivitar's Wide-Angle Eyelight™ Panel. It has an auto exposure range of 2.2 to 70 ft. and with fresh AA alkalines provides a recycle time of 0.2 to 12 seconds with 90–700 flashes. It features 270° horizontal rotation, and 90° vertical bounce with a downward 10° lockable position for shooting close-ups.

Motor Zoom Head

This ingenious device is similar to the High Power Zoom Head except that its zoom position changes are accomplished by a motor controlled by a switch on the back of the flash. It offers 4 settings of 28mm, 35mm, 50mm, and 105mm. The Motor Zoom Head has a guide number of 120 in the 50mm position with an auto range of 2.2 to 85 ft. Included is the Super Wide-Angle Panel for 21mm camera lens coverage.

High Power Zoom Head

This popular unit features flash head zoom settings of 28mm, 35mm, 50mm and 105mm to adjust the light output to the coverage of your camera lens. Guide number in the 50mm position is 135. This head comes with the Super Wide-Angle Panel for 21mm camera lens coverage. With the head in the tele position, the guide number is 157 with an enormous auto exposure distance of 111 ft.

Bare Bulb Head

This unusual head radiates light 360° horizontally and 180° vertically to literally flood a room with light. It has an output of 67 watt-seconds for creative natural lighting effects. With its built-in remote trigger it can be fired without a cord. For added flexibility it accepts the BD-3 bounce diffuser and the entire head can be rotated 270°.

All heads for the Model 5600 also fit the discontinued Model 4600.

Model 5200

This moderately-priced unit offers a full information liquid crystal display (LCD) that makes flash photography extremely easy. It has a guide number of 100 and Auto Thyristor™ circuitry for more flashes and faster recycle time. The 5200 has a maximum auto exposure range of 59 ft. and 4 auto f/stop settings for controlling depth-of-field and auto flash range. In the manual mode there are up to 12 f/stops available depending upon your film speed.

The unique LCD panel enables you to program your f/stop and film speed at the push of a button, and the built-in microcomputer instantly displays the flash range in feet or meters. The LCD also indicates whether you've set AUTO or MANUAL operation, focal length set on the flash zoom head, and verifies that you had sufficient light for a proper exposure. There's also an audible indicator which can be turned off. Soft bounce light effects are easily attained with the 5200 by using the vertical tilting flash head with settings of -5°, 0°, 45°, 75° and 90° (straight up). The flash head also features an optical zooming system that adjusts the light output to match the coverage of your camera lens from wide-angle to telephoto (28mm-85mm). The -5° position provides better aim for close-up photography.

The Vivitar 5200 uses four AA batteries and with alkalines provides a recycle time from 0.3 to 8 seconds and 200–1200 flashes. With Vivitar's optional NC-3 NiCad pack, recycle time is 0.3 to 5.5 seconds with 80–500 flashes. The unit also has vari-power settings for 1/2, 1/4 and 1/16 power—perfect for fill flash. Once you start adding Vivitar system accessories, the 5200 has possibilities that are almost boundless.

"DM" designates "Dedicated Module" which is Vivitar's system for dedicating—or electronically linking—your specific brand of camera to a Vivitar flash unit. Currently there are DM modules for Canon, Nikon, Minolta, Olympus, Pentax and Yashica/Contax cameras. Simply attach the appropriate Vivitar DM module to a Vivitar DM series flash and you are ready to go. Vivitar DM flash units will, in most cases, take complete advantage of the camera's built-in electronic capabilities for flash, such as TTL metering and program flash—even on the new auto focus 35mm SLR cameras.

Model 3900

The 3900 is Vivitar's handle mount professional flash. Its high guide number of 120 is significant because it's based on 28mm camera lens coverage. Its maximum auto exposure distance is 60 ft. and three auto f/stop settings allow a choice of depth-of-field or auto exposure range.

Six AA alkalines provide a recycle time from 0.2 to 8 seconds with 140 to 500 flashes. NiCads shorten flash recycle time to 0.2 to 4.5 seconds with 60 to 300 flashes. Built-in varipower settings of 1/4, 1/16 and 1/64 manual power are ideal for fill flash and auto winder shooting. The addition of a Dedicated Module and a DSC-2 cord make the 3900 dedicated.

It has audible and visual sufficient light indicators with an audible defeat switch. The 3900 accepts the HVP-1, and with the appropriate battery you'll receive hundreds of flashes and very fast recycling. The flash comes complete with a 35mm camera bracket and PC cord.

Model 3700

If you took the world's most popular flash—our 283—gave it horizontal bounce, greater flash range and made it dedicated, you'd end up with something very similar to the Vivitar 3700. This versatile unit has a guide number of 120 and Auto Thyristor™ circuitry. The 3700 has a maximum auto exposure range of 60 ft. and features 3 auto exposure f/stop settings for creative control.

One key feature of this unit is its flash head: it tilts vertically and rotates horizontally, producing correct exposures automatically when using bounce light. Included with the 3700 is our exclusive Wide-Angle Eyelight Panel™ that provides 28mm camera lens coverage. Use this accessory in the bounce position and you'll create sparkling catchlights in the eyes of your subjects.

The 3700 uses 4 AA batteries and with fresh alkalines provides a recycle time from 0.2 to 13.5 seconds and 90–700 flashes. With the optional NC-3 NiCad pack, recycle time is shortened to 0.2 to 7 seconds and the number of flashes is 40–300. The 3700 features both audible and visual flash-ready and sufficient-light indicators, with a "defeat" switch for the audible portion.

Model 550FD

A step from the 2600D, the 550FD has more light output and bounce capability. It offers complete dedication, including TTL and program flash on those cameras capable of those functions. It also works on the new 35mm SLR auto focus cameras. It's available in three models: One for Canon and Ricoh (CR); another for Minolta, Pentax and Olympus (MPO), and one for Nikon cameras (N). The 550FD automatically sets the correct shutter speed for flash, activates viewfinder flash ready indicators and performs other important flash functions. This model has a guide number of 80 (ISO 100 ft.) and Auto Thyristor circuitry for faster recycle time and more flashes per set of batteries. It has a maximum auto exposure range to 40 ft. and features 2 different auto f/stop settings so you can choose between increased depth of field or maximum auto exposure range. The 550FD has a vertical tilting flash head that provides convenient settings for softer quality bounce light effects. The back of the flash features a unique, easy-to-understand calculator panel, calibrated to ISO 1600, that makes the 550FD a pleasure to use. The 550FD utilizes 4 AA batteries and with alkalines, provides a recycle time from 0.5 to 4.0 seconds and 450 to 1800 flashes per set. With NiCad batteries the recycle time is shortened to 0.5 to 3.0 seconds and the number of flashes is 175 to 750. Pushing the test flash button will allow you to use the built-in sufficient light indicator that tells if there was enough light for a good exposure. The 550FD accepts an optional wide-angle panel and wide-angle colored filter combination kit that can be used for exciting special effects. Like most Vivitar flash units, the 550FD can be used remotely for special lighting conditions and fired by the optional Vivitar SL-2 cordless flash trigger.

Model 530FD

Here's an ultra-compact, totally-dedicated flash unit that offers a remarkable array of features for a model in its modest price range. Offering TTL and program flash on cameras capable of those functions, the easy-to-use 530FD is available in three models: One for Canon and Ricoh (CR); another for Minolta, Pentax and Olympus (MPO); and a third for Nikon cameras (N).

The affordable 530FD features 2 auto f/stop settings for controlling depth-of-field and maximum auto flash range. And with a guide number of 60, it provides enough power for auto exposure flash to 30 feet.

Vivitar's patented Auto Thyristor circuitry in the 530FD contributes to faster recycling and greater number of flashes per set of batteries. With 4 AA alkaline cells, the unit delivers 500–1500 flashes with a recycle time of 0.5 to 4 seconds. With Nickel-Cadmium batteries, recycle time is shortened to 0.5 to 2.5 seconds with 125–700 flashes.

The easy-to-read calculator panel on the 530FD is calibrated for film speeds up to ISO 1600.

The flash has a sufficient light indicator that confirms whether there was enough light for a proper exposure. This feature also works in TTL mode.

The 530FD accepts optional Vivitar flash accessories, including a wide-angle panel and wide-angle colored filter kit. It's also compatible with the Vivitar SL-2 cordless flash trigger for remote firing.

Model 2800D

If you are intrigued by our 2600D but require more power and bounce flash capability, the 2800D is the flash for you. Like the 2600D, this unit comes in two versions—select the one designed for the camera brand you own. The 2800D automatically sets the correct camera shutter speed for flash and activates viewfinder flash ready indicators. And if you're using the CNR model on certain Canon A Series, and all T-50, T-70 or T-80 cameras, the 2800D will also set the correct f/stop on the camera lens.

There's plenty of power with a guide number of 80 and a maximum auto range of 40 ft. And the 2800D gives you Auto Thyristor™ circuitry for faster recycle time and more flashes. Two auto f/stop settings provide a choice between increased depth-of-field or maximum auto flash range. One of the special features of this unit is its vertical tilting flash head with settings of 0°, 45°, 60°, 75°, and 90° for softer quality bounce light effects.

The convenient calculator dial on the 2800D is calibrated for film speeds up to ISO 1000. The test flash button, combined with the sufficient light indicator, confirms if you had enough light for a good exposure. Recycle time is a quick 0.5 to 5 seconds with four AA alkalines, and an even faster 0.5 to 3.5 seconds with NiCads. Number of flashes is 400–1,200 per set of four AA alkalines and 100 to 600 with NiCads.

Exciting special effects can be achieved with the optional wide-angle panel and wide-angle colored filter combination kit, and like most Vivitar flashes, the 2800D can be used remotely when fired by the optional SL-2 cordless trigger.

Model 2600D

Our 2600D does some things you wouldn't expect from a flash in this modest price range. Like automatically setting the correct camera shutter speed for flash and activating viewfinder flash-ready indicators. And it does even more if you use the CNR version on certain Canon A series, T-50, T-70 and T-80 cameras. Then it will automatically set the correct f/stop on the camera lens, provided the lens is set to the "A" or green indicator position.

The 2600D has a guide number of 60 and Auto Thyristor™ circuitry for faster recycle time and more flashes per set of batteries. It has a maximum auto exposure flash range of 30 ft. and features 2 auto f/stop settings so you can choose depth-of-field or maximum auto flash range. With 4 AA alkaline batteries, recycle time is 0.5 to 4 seconds, with 500–1,500 flashes. NiCad batteries shorten the recycle time to 0.5 to 2.5 seconds with 125–700 flashes.

The 2600D has an easy-to-read calculator panel calibrated for film speeds up to ISO 1000. And when you use the built-in test flash button, a sufficient light indicator tells you if there was enough light for a proper exposure. Optional accessories include a wide-angle panel and wide-angle colored filter kit. You can also use the optional Vivitar SL-2 cordless flash trigger for remote firing.

Model 285HV

The 285HV is a new version of the discontinued 285 flash, now updated to include high voltage battery capability. The 285HV accepts the Vivitar HVP-1 High Voltage Battery Pack, the PPG-1 Power Pistol Grip, and the SB-4 AC adapter. With use of these power accessories, performance is nothing short of phenomenal. For example, with the HVP-1, RB-510 rechargeable high voltage battery and an NC-3 in the 285HV to supply trigger voltage, you'll receive 170 flashes in the manual mode with an incredible recycling time of 1.5 seconds. Performance is even greater in the automatic mode.

The 285HV features a unique flash head with an optical zooming system that adjusts light coverage to match the camera lens you are using from wide angle (35mm) to telephoto (105mm). The vertical tilting head has convenient settings of 0°, 45°, 60°, 75° and 90° (straight up) for achieving soft bounce light effects. The unit has a guide number of 120 and Auto Thyristor™ circuitry for faster recycle time and more flashes per set of batteries.

The maximum auto exposure range is 70 ft. and you have a choice of 4 auto f/stop settings for controlling depth-of-field and auto flash range. With 4 AA alkalines the 285HV recycles in 0.3 to 11 seconds.

The unit features built-in vari-power settings of 1/2, 1/4 and 1/16 power. The manual settings are perfect for fill-flash and fast recycle time regardless of flash-to-subject distance. Vari-power settings also provide fast flash duration for "freezing" very fast moving subjects. As with the Model 283, once you start adding system accessories, the 285HV becomes as creative as you are.

Model 283

With its hefty power, long list of impressive features, and its full system of accessories, it's really no wonder that the 283 is the best-selling electronic flash ever made. Virtually a standard in the industry, the Vivitar 283 is the choice of amateurs and professionals alike. Dependability and versatility have been the hallmark of this unit from the very beginning.

With a guide number of 120, it has Auto Thyristor™ circuitry for fast recycle time and increased number of flashes. It has a maximum auto exposure range of 43 ft. (13 m) and the versatility of 4 different auto f/stop settings for controlling depth of field and flash range. You can create bounce light effects with the 283's vertical tilting flash head which provides convenient settings of 0°, 45°, 60°, 75° and 90° (straight up). Incorporated into the flash head settings between 45–75° is a bounce compensation circuit that works in the auto exposure mode. As long as maximum power is not used, this circuit automatically increases light output by about ½ stop to help fill in shadows created by light falling on your subject from above.

With four fresh AA alkalines, the Vivitar 283 provides 75–800 flashes with a recycle time of 0.5 to 11 seconds. With its special optional NiCad pack (NC-3) recycle time is 0.5 to 6.0 seconds with approximately 45–750 flashes. A calculator dial can be illuminated at the push of a button and a sufficient light indicator glows for about 2 seconds so you can still see it after the picture has been taken.

The 283 becomes a truly professional unit as you begin to add system accessories for almost boundless versatility. Sensor cords, special battery packs, filters and lens kits are just some of the system accessories utilized by the 283. For a complete listing, turn to the accessory section in this brochure.

Model 2800

Here's a compact unit with some features found only on our more expensive models. Like Auto Thyristor™ circuitry which is responsible for very fast recycle time (0.5 to 5 seconds) and an increased number of flashes (450–1500) per set of 4 AA batteries. The 2800 also has a vertical tilting flash head with convenient settings at 0°, 45°, 60°, 75° and 90° for softer quality bounce flash effects. There's plenty of power too, with a guide number of 80.

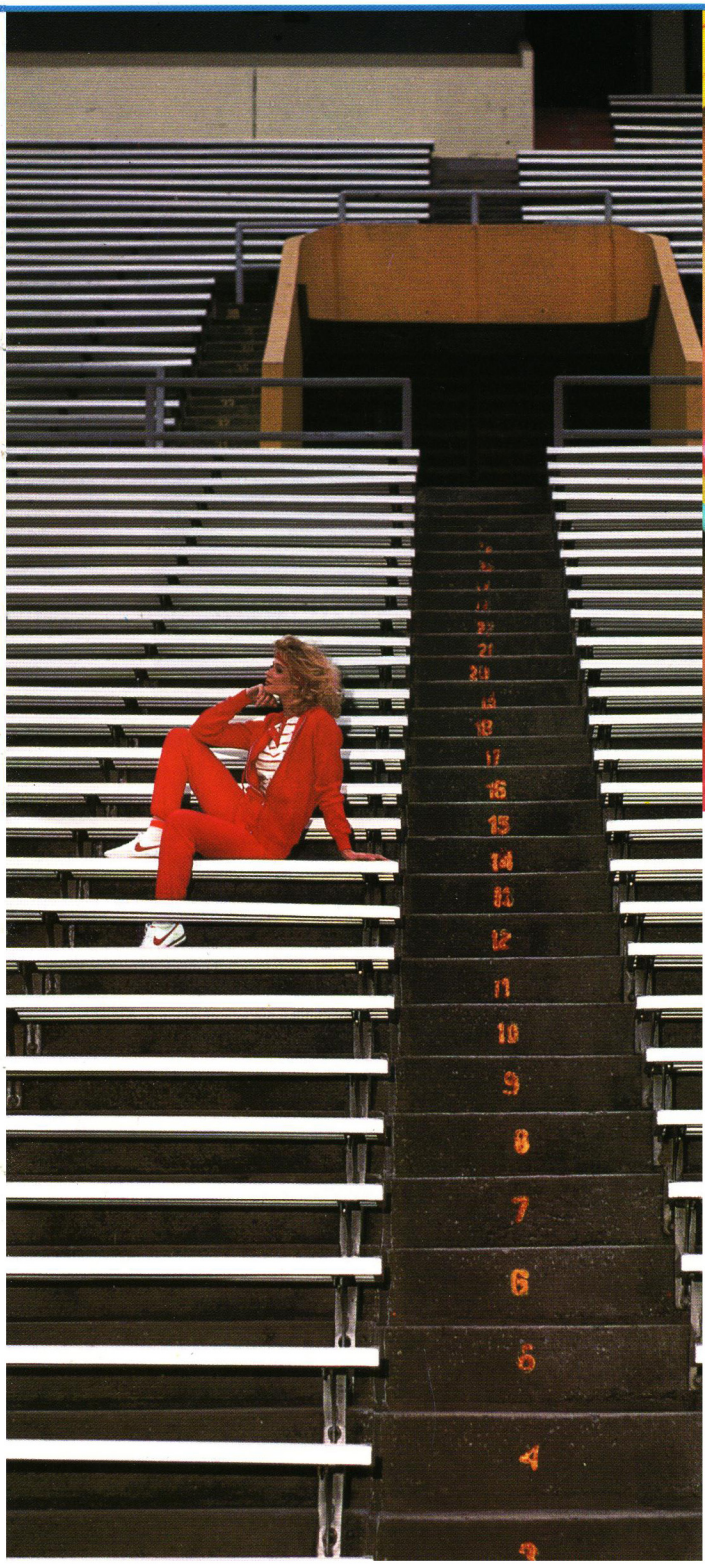
The unit has a maximum auto range of 40 ft. and features 2 auto exposure f/stop settings so you can choose between increased depth-of-field or maximum flash range. Other features include auto check circuitry for correct exposure indication and auto-off circuitry to prolong battery life. The 2800 also includes a flash test button and a convenient exposure calculator.

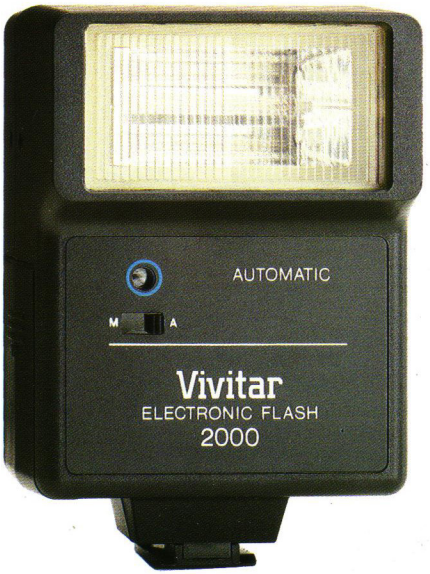
Like most Vivitar flashes, the 2800 can be fired remotely with the optional Vivitar SL-2 cordless flash trigger, and it will accept an optional PC cord for cameras that use PC cords. The Vivitar 2800 comes complete with a set of 4 colored wide angle panels for special effects.

Model 2600

In addition to all of the features found on Vivitar's manual units, the 2600 offers 2 auto f/stop settings so you can choose between increased depth-of-field or maximum flash range of 30 feet. It's powerful, with a guide number of 60. And when used with the handy test flash button, a sufficient light indicator tells you if you had enough light for a correct exposure.

A good choice as an all-purpose on-camera flash, the 2600 is also ideal as a second unit for special lighting situations when fired by the optional Vivitar SL-2 cordless trigger. Other creative possibilities include the optional filter kit that provides 35mm camera lens coverage and 4 color filters for special effects. The 2600 uses four AA batteries and with alkalines provides up to 650 flashes with a fast 4 second recycle time.





Model 2000

Here's a surprisingly affordable unit that's the automatic counterpart of our popular Model 1900. The Vivitar 2000 offers an auto exposure range of 3–15 ft. at f/4 with ISO 100 film. With a guide number of 60 the compact 2000 provides 500 flashes per set of 4 AA alkaline batteries with recycling as fast as four seconds.

Other features of the 2000 include a flash test button and a flash-ready indicator. The unit accepts the optional wide-angle diffusion panel, colored filter kit for special effects, and an SL-2 cordless flash trigger for remote firing without a PC cord.

Model 1900

A perfect flash for the beginning photographer, the Model 1900 is an easy-to-operate manual unit that's compact enough to carry in your shirt pocket. Despite its small size, the 1900 has a guide number of 60 and packs enough power to handle virtually any amateur photographic situation. Powered by 4 AA alkaline batteries, the 1900 delivers 500 flashes with recycling as fast as 4 seconds.

This handy unit features a flash test button, a flash-ready indicator and a built-in PC cord. Optional Vivitar flash accessories include a wide-angle diffusion panel, colored filter kit, and SL-2 flash trigger for remote firing.

Here's where Vivitar will really stimulate your creativity. Because whether you are an experienced pro or a curious amateur, our innovative accessories will help you take dramatic flash photographs that look as though they were created with difficult—and very expensive—studio equipment. To determine which accessory fits your flash, check the Flash Accessory/Model Chart at the back of this brochure.

Power Pistol Grip (PPG-1)

This detachable pistol grip/flash holder for off camera use provides supplemental power for faster recycling and more flashes It's anatomically angled for comfortable right- or left-handed operation. The PPG-1 uses 4 AA alkaline batteries or NiCads and has a 360° rotating shoe. Dedicated flash units require the appropriate DSC-Cord for dedicated operation. The PPG-1 can be purchased in a kit combining the PPG-1, the bracket and a cable release, or each item can be purchased separately.

Quick Release Pistol Grip (PG-2)

This grip is similar to the PPG-1 without the electronics. Called the PG-2, it can be set up for right or left hand use. It accepts an optional CR-1 cable release for easy one-hand shooting.

NiCad Battery Pack (NC-3)

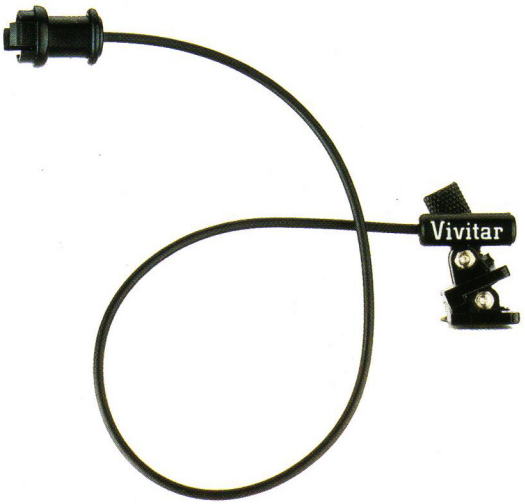
Vivitar's special NC-3 NiCad battery pack provides significantly faster recycling than disposable alkalines and can be recharged in 20 minutes in the Vivitar Charge 20. The NC-3 provides 45 manual flashes and performance is significantly greater in the automatic mode.

Pistol Grip (PG-1)

The PG-1 is an anatomically designed, solid phenolic plastic molded pistol grip and flash holder for convenient off-camera use. It includes a comfortable hand strap, accepts a cable release, and features a 360° rotating flash shoe for added flexibility with horizontal bounce flash applications.

Bounce Diffuser (BD-3)

The BD-3 provides an easy portable bounce surface for softer quality light effects. You can carry this convenient device in your pocket and it attaches easily to several Vivitar flash units. It's excellent for taking photographs at parties and other special occasions, or for pictures of children and still lifes.



Macro Flash Sensor

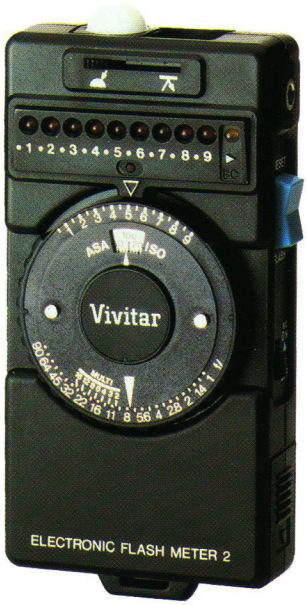
The Macro Flash Sensor (MFS-1) is a unique piece of equipment that, according to a noted photographer writer "permits you to do things that shouldn't be possible with an accessory that is so inxpensive and easy to use." The MFS-1 permits accurate automatic flash exposures between 8 inches and 8 feet. A required 4 f/stop decrease in exposure provides highly improved depth-of-field. Requires a standard Dedicated Module (DM/S) or a PM/P-TTL/S and a PC cord.

Charge 20

Vivitar's Charge 20 is the fastest battery charger in its class. Compact and easy to use, it recharges the NC-3 NiCad Pack in 20 minutes. It can also be used as an overnight trickle charger.

Electronic Flash Meter 2 (EFM-2)

This precise flash meter can be used to take incident or reflected readings and provides perfectly exposed flash pictures when using your flash in the manual mode. It's ideal for determining flash ratios in multiple lighting setups The EFM-2 is accurate to within ½ stop. It is powered by a standard 9-volt alkaline battery and features an easy-to-read LED display and a special battery-saving circuit.



Remote Sensor Cords (SC-1, SC-2, SC-3)

Remote sensor cords permit easy automatic exposure when using multidirectional bounce light. There are two cords for the 283: The SC-1 is 1 meter long; the SC-2 is 2 meters long and coiled. The SC-3 is one meter long and coiled and is designed for use with the 285 and 285HV.

Vari-Power/Slave Module

This device replaces the Dedicated Module (DM) on the 3200, 3500, 3700, 4600 and 3900 flash units and combines the convenience of a cordless slave trigger with vari-power settings. It's great for balancing light when using more than one unit and for flash fill. (Dedicated function of the flash unit is eliminated when using this accessory.) Vari-power settings are from full to 1/16 power and shorten flash duration to as fast as 1/30,000-second for freezing the fastest action.

DM Dedicated Modules

Vivitar's DM Dedicated Modules are used to "dedicate" or electronically link DM series flash units to your specific camera brand. Vivitar DM flash units will, in most cases, take complete advantage of your camera's built-in capabilities for flash, including TTL metering and program flash (if your camera is so equipped). DM flash units are the 3200, 3500, 3700, 4600 and 3900.

Dedicated Sensor Cords (DSC-1, DSC-2, DSC-3)

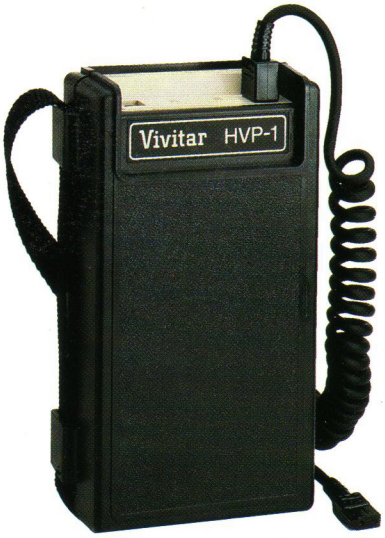
DSC Cords are extension cords that maintain full dedicated operation and automatic exposure control when you use your flash off camera with Vivitar Pistol Grip Accessories. See the following accessory chart for the appropriate DSC-Cord for your flash model.

PM Processor Modules

PM Processor Modules are designed for use with Vivitar's Liquid Crystal Display (LCD) automatic dedicated flash units—the 5200 and 5600. These modules permit your PM series flash units to take advantage of your camera's built-in electronic capabilities for flash, including TTL metering and program flash (if your camera is so equipped).

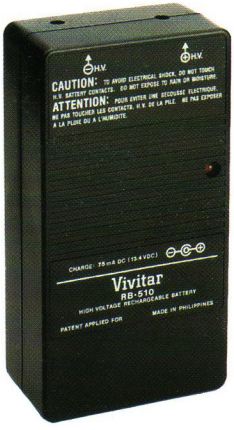
F3 Adapter

Vivitar's handy F3 adapter permits TTL flash photography with the Nikon F3 camera. This sturdy portable hot-shoe fits over the rewind knob of the Nikon F3 camera, for on-camera flash photography.



High Voltage Battery Pack

Utilizing disposable high voltage or Vivitar rechargeable RB-510 batteries, the HVP-1 is great when a large number of flashes and very fast recycling time is required. It has protective overload circuitry and regulates flash output to ± 1/4 f/stop. The HVP-1 requires a connecting cord to the flash unit (see the accessory matrix for compatibility).



Rechargeable High Voltage Battery (RB-510)

The Vivitar RB-510 is designed for use in the HVP-1 or other high voltage packs. It replaces disposable batteries and is an excellent power source for the photojournalist, wedding photographer or others who require fast recycling and a large number of flashes. When fully-charged, it will recycle a Vivitar 283 in the manual mode in about 3 seconds and provide 90–100 flashes. Performance is significantly better if the flash is used in the automatic mode. Not for Model 3900.

Flash Color Filter Kits

Vivitar Flash Filter Kits (FK-1, FK-2, WFK-1 and WFK-2) allow you to color the light from your flash unit for striking visual effects. FK kits include 6 colored filters; WFK kits also include 6 colored filters, but these are prismatically cut for wide-angle coverage. Overall monotone effects are possible as well as coloring backgrounds or specific parts of the picture area. Adapters are required with some units so please consult the accessory matrix in this brochure for selecting the filter accessories to fit your flash model. Each Filter Kit comes in a convenient carrying case.

Flash Lens Kit

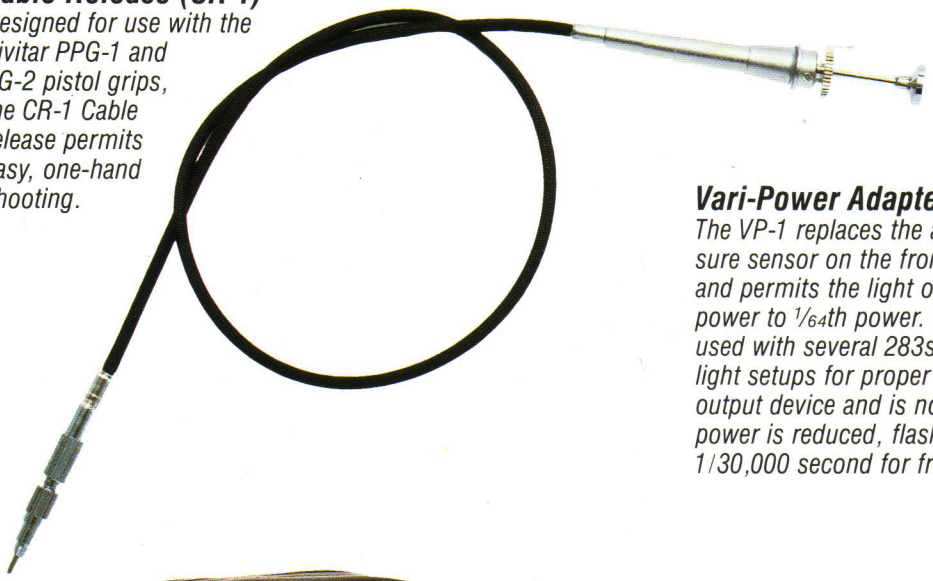
The Vivitar Flash Lens Kit (LK-1) is a set of 4 "lenses" that fit over the flash head for 24mm, 28mm, 70mm and 135mm camera lens coverage. The guide number increases with the 70mm and the 135mm lenses, permitting enormous flash distance. With the 135mm lens and ISO 400 film, the guide number of a 283 flash is 348! Great for sports/action where telephoto camera lenses will be used. Comes complete with carrying case.

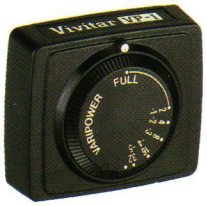
Lens and Filter Adapter (FA-1)

The FA-1 Adapter permits you to use Vivitar Filter Kits and Vivitar Lens Kits with the 283 and 3700 flash units. These lens and filter kits provide extra options in controlling light, adding creative effects and matching light coverage to camera lens coverage.

Cable Release (CR-1)

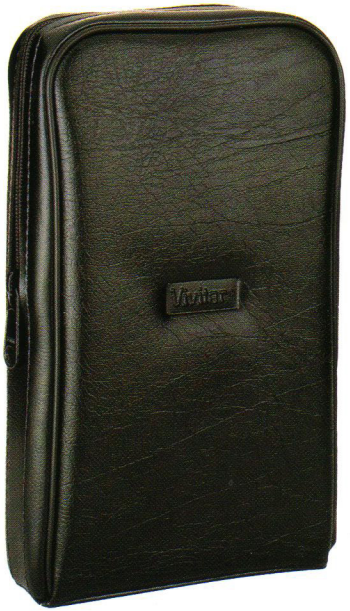
Designed for use with the Vivitar PPG-1 and PG-2 pistol grips, the CR-1 Cable release permits easy, one-hand shooting.





Vari-Power Adapter (VP-1)

The VP-1 replaces the auto exposure sensor on the front of the 283 and permits the light output to be regulated from full power to 1/64th power. Several VP-1 units can be used with several 283s to adjust light output in multiple light setups for proper light ratios. The VP-1 is a manual output device and is not used for auto exposure. As power is reduced, flash duration is reduced to as little as 1/30,000 second for freezing the fastest action.

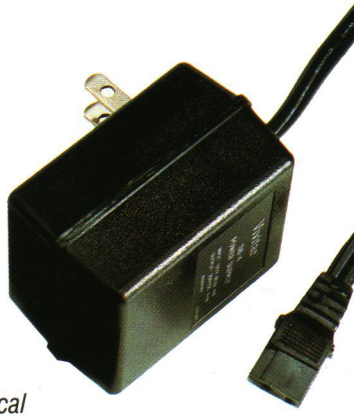


Flash Pouch Case (C-1)

The C-1 Soft Pouch Case is an effective, inexpensive way to protect your valuable flash unit from abuse and to keep it clean and looking new. It fits all flash units except the 3900.

Remote Flash Trigger (SL-2)

The SL-2 is used for cordless firing of remote flash units. It can be used with most Vivitar models and is ideal for multiple light setups such as portraiture and for lighting entire large rooms.



AC Adapter (SB-4)

The Vivitar SB-4 Adapter permits you to use certain Vivitar flash units with a standard household electrical outlet. In some cases it is still necessary to have batteries in the flash unit.

FLASH ACCESSORIES CHART

STOCK NO.	ACCESSORY	1900	2000	2600	2800	283	285HV	2600D	2800D	530FD	550FD	3700	3900	5200	5600	628AF	636AF
AC ADAPTERS																	
239404	SB-4					■	■					■		■	■		
CHARGERS & NICAD PACKS																	
238407	Charge 20					■	■					■		■	■		
239460	NC-3					■	■					■		■	■		
BATTERY PACKS																	
238120	HVP-1					■	■					■	■	■	■		
238441	RB-510					■	■					■		■	■		
238005	HVC-1					■	■					■		■	■		
238049	HVC-3												■				
PC SHUTTER CORDS																	
236300	PC-1			■	■	■	■					■[1]	■[1]	■[2]	■[2]		
236388	PC-31			■	■	■	■					■[1]	■[1]	■[2]	■[2]		
SENSORS & CORDS																	
236506	MFS-1											■[3]	■[3]	■	■		
235004	S-283					■											
235015	S-285						■										
235026	SC-1					■											
235060	SC-2					■											
235037	SC-3						■										
234638	DSC-1											■					
234649	DSC-2												■				
234661	DSC-3													■	■		
236816	Remote Sensor												■				
FILTERS & LENS KITS																	
238083	FK-1					■[6]						■[6]					
238337	FK-2						■					■[7]			■		
235842	WFK-1					■[6]						■[6]					
238382	WFK-2						■					■[7]			■		
231682	WA & Filter Kit	■	■	■	■			■	■	■	■						
238072	LK-1					■[6]						■[6]					
238094	FA-1 Adapter					■						■					
238359	FA-3 Adapter										■	■			■		
234096	3900 Lens Kit												■				
PISTOL GRIPS																	
239256	PPG-1						■					■[4]		■[5]	■[5]		
239884	PPG-1 Kit						■					■[4]		■[5]	■[5]		
238201	PG-1	■	■	■	■	■	■					■[4]		■[5]	■[5]	■	■
238267	PG-2	■	■	■	■	■	■	■	■	■	■	■[4]		■[5]	■[5]	■	■
239895	PG-2 Kit	■	■	■	■	■	■	■	■	■	■	■[4]		■[5]	■[5]	■	■
238212	CB-35	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■
238223	CB-66	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■
238234	CR-1	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■
MISCELLANEOUS																	
239482	AP-1					■	■					■		■	■		
238142	BD-2					■	■										
238245	BD-3											■		■	■		
238061	C-1			■	■	■	■	■	■	■	■	■		■	■	■	■
237019	SL-2	■	■	■	■	■	■	■	■	■	■	■		■	■	■	■
238278	VP-1					■											
234568	VP/Slave											■					
239921	Flash Meter 2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

[1]Only with DM/S Standard Module. [2]Only with PM/P-TTL/S Module. [3]Requires Dedicated Module.
[4]DSC-1 Cord required for dedication. [5]DSC-3 Cord required for dedication.
[6]Requires FA-1 Adapter [7]Requires FA-3 Adapter

VIVITAR DEDICATED FLASH FUNCTIONS CHART

	2600D/2800D				530FD/550FD/628AF/		636AF/DM & PM Module Flash Units									
	Visual Sufficient Light Indication on flash	Viewfinder Flash-ready Indication	Sets Aperture Automatically	Sets Shutter Speed Automatically	Dedicated Off Camera Function (with cord)[3]	Visual Sufficient Light Indication on flash or DM Module	Audible Sufficient Light Indication[2,3]	Audible Ready Indication[3]	Viewfinder Flash-ready Indication	Sufficient Light Indication/Auto-check in VF	TTL Sensing Interface	Sets Aperture Automatically	Sets Shutter Speed Automatically	Program Flash	Activates Auto Focus Illuminator
Canon															
F-1 New	■	■	■	■	■	■	■	■	■			■	■		
A-1	■	■	■	■	■	■	■	■	■			■	■		
AE-1	■	■	■	■	■	■	■	■	■			■	■		
AE-1 Prog	■	■	■	■	■	■	■	■	■			■	■		
T-50	■	■	■	■	■	■	■	■	■			■	■		
T-70	■	■	■	■	■	■	■	■	■			■	■		
T-80	■	■	■	■	■	■	■	■	■			■	■		
T-90	■	■	■	■	■	■	■	■	■			■	■		
EOS 650/620	■	■		■		■	■	■	■[6]		■[6]	■[6]	■[6]	■[6]	■[6]
Nikon															
F-3	■	■		■	■	■	■	■	■	■[6]	■		■		
FA	■	■		■	■	■	■	■	■	■[6]	■		■		
FE2	■	■		■	■	■	■	■	■	■[6]	■		■		
FG	■	■		■	■	■	■	■	■	■[6]	■		■		
N2000/F301	■	■		■	■	■	■	■	■	■[6]	■		■	■	
N2020/F501	■	■		■	■	■	■	■	■	■[6]	■		■	■	■[6]
EM/FG-20	■	■		■	■	■	■	■	■				■		
N4004/F401	■	■		■	■	■	■	■	■		■		■	■	■[6]
Minolta															
X700	■	■		■	■	■	■	■	■	■[6]	■		■		
X570	■	■		■	■	■	■	■	■	■[6]	■		■		
XD	■	■		■	■	■	■	■	■				■		
5000/7000/9000	■	■		■	■	■	■	■	■	■[6]	■		■	■	■[6]
Pentax															
ME Super	■	■		■	■	■	■	■	■				■		
LX	■	■		■	■	■	■	■	■		■		■		
Super Prog.	■	■		■	■	■	■	■	■		■	■	■	■	
Prog. Plus	■	■		■	■	■	■	■	■			■	■	■	
A-3000	■	■		■	■	■	■	■	■			■	■	■	
P-3	■	■		■	■	■	■	■	■			■	■	■	
SF-1/SFX	■	■		■	■	■	■	■	■		■	■	■	■	
Olympus															
OM-2/OM-2N	■	■			■	■	■	■	■		■		■		
OM-2S	■	■		■	■	■	■	■	■		■		■	■	
OM-PC	■	■		■	■	■	■	■	■		■		■	■	
OM-3	■	■				■	■	■	■						
OM-4	■	■		■	■	■	■	■	■	■[4]	■		■		
OM-77/707	■	■		■	■	■	■	■	■	■[4]	■		■		
Yashica/Contax[5]															
137					■	■	■	■	■	■	■[3]		■		
139					■	■	■	■	■	■	■[3]		■		
RTS					■	■	■	■	■	■	■[3]		■		
FX-D					■	■	■	■	■				■		
239AF					■	■	■	■	■						
Ricoh[1]															
XR-P	■	■		■	■	■	■	■	■		■	■	■		
KR-10	■	■		■	■	■	■	■	■				■		
KR-30SP	■	■		■	■	■	■	■	■				■		

[1] Also for all other XR and K [2] Can be turned off if desired. [3] Only with DM/PM Flash [4] 530FD/550FD only. [5] Not with 530FD/550FD. [6] 628AF/636AF only.

FLASH SPECIFICATIONS

	Manual	Auto			Auto Flash Systems		Dedicated Auto Flash				Dedicated Auto Flash Systems				Auto Focus Flash	
Model	**1900**	**2000**	**2600**	**2800**	**283**	**285HV**	**2600D**	**2800D**	**530FD**	**550FD**	**3700**	**3900**	**5200**	**5600***	**628AF**	**636AF**
Guide Number ISO 100/ft.	60	60	60	80	120	120	60	80	60	80	120	120	100	120	92	119
DIN 21/m	18	18	18	24	37	37[1]	18	24	18	24	37	37	30[1]	37[1]	28	36
Recycle Time Alkaline	4.0	4.0	4.0	0.5-5.0	0.5-11.0	0.3-11.0	0.5-4.0	0.5-4.0	0.5-4.0	0.5-4.0	0.2-13.5	0.2-8.0	0.3-8.0	0.2-13.0	0.2-6.5	0.2-8.0
Seconds NiCad					0.5-6.0	0.3-6.0	0.5-2.5	0.5-3.0	0.5-2.5	0.5-3.0	0.2-7.0	0.2-4.5	0.3-5.5	0.2-7.5	0.2-4.0	0.2-6.0
No. Flashes per Set of Batteries** Alkaline	500	500	650	450-1500	75-800	75-800	500-1500	400-1200	650-2000	450-1800	90-700	140-500	200-1200	90-500	200-3000	175-2000
NiCad					45-750	45-800	125-700	100-600	150-1000	175-750	40-300	60-300	80-500	40-200	100-1000	80-1500
Automatic Exposure Range Feet	—	3-15	3-30	3-40	3-43	2-70	3-30	3-40	3.3-30	3-40	2.3-60	3.3-60	2.3-59	2.3-111	2.3-54	2.3-70
Meters		1-4.5	0.9-9	0.9-12.2	0.9-3	0.6-21.3	0.9-9	0.9-12.2	1-9	0.9-12.2	0.7-18	1-18	0.7-17.9	0.7-33	0.7-16	0.7-20
Multiple f/Stops ISO 100-DIN 21	—	—	f/2, 4	f/2, 4	f/2.8, 4, 8, 11	f/2, 4	f/2, 4	f/2, 4	f/2, 4	f/2, 4	f/2, 4, 8	f/2, 4, 8	4 auto 12 manual	8 auto f/1-45 man.	All	All
Auto Thyristor[4]	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bounce Flash	—	—	—	Vertical	Vertical	Vertical	—	Vertical	—	Vertical	Vertical Horizontal	Vertical Horizontal	Vertical	Vertical Horizontal	—	Vertical Horizontal
Zoom Flash	—	—	—	—	—	Yes	—	—	—	—	—	—	Yes	Yes	—	Yes
Vari-power Control	—	—	—	—	With VP-1	1/16, 1/4, 1/2	—	—	—	—	With Vari-power Module	1/64, 1/16, 1/4	1/16, 1/4, 1/2	1/16, 1/4	—	—
Auto Off Circuitry	—	—	Yes	Yes	—	—	—	—	—	—	—	—	—	—	Yes	Yes
Remote Sensor Capability	—	—	—	—	Yes	Yes	—	—	—	—	Yes	Yes	Yes	Yes	—	—
Auto Focus Illuminator Range	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3-23 ft.	3-33 ft.
Accu-Trak Circuitry[4]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes	Yes
Sufficient Light Indicator or Auto Check	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Audible[3] Visual	Audible[3] Visual	Audible[3] Visual	Audible[3] Visual	Yes	Audible[3] Visual
Illuminated Calculator Dial or LCD	—	—	—	—	Yes	Yes	—	—	—	—	—	—	Yes	Yes	—	—
Power Sources	4 AA	4 AA	4 AA	4 AA	4 AA NiCads/NC-3 AC HVP-1	4 AA NiCads/NC-3 AC HVP-1 PPG-1	4 AA	4 AA	4 AA NiCads	4 AA NiCads	4 AA NiCads/NC-3 AC HVP-1 PPG-1	6 AA NiCads HVP-1	4 AA NiCads/NC-3 AC HVP-1 PPG-1	4 AA NiCads/NC-3 AC HVP-1 PPG-1	4 AA NiCads	4 AA NiCads
Camera Lens Coverage	35mm	35mm	50mm	50mm	50mm	35mm	50mm[1]	50mm	50mm	50mm	35mm	28mm	50mm[1]	50mm[1]	28mm[4]	20mm[4]
Weight Without Batteries	4.2 oz.	4.2 oz.	4.6 oz.	6.0 oz.	14 oz.	14.9 oz.	4.6 oz.	6.0 oz.	4.6 oz.	6.0 oz.	12 oz.	26.8 oz.	10.5 oz.	6.56 oz.[2]	7.0 oz.	12.0 oz.
Dedicated Circuitry	—	—	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

1. Zoom Head in normal position. 2. Body Module Only. 3. Can be turned off.
*With High Power Zoom Head (HPZH). **Number of flashes depends on subject distance, reflectivity and auto aperture selected.

4. Registered trademark of Vivitar Corporation Specifications subject to change without notice.

Vivitar®

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