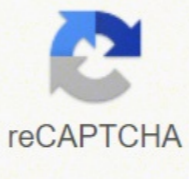




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Vivitar 283 flash accessories

Home Donate New Search Gallery Reviews How-To Books Links Workshops About Contact Vivitar 283 Flash Auto Thyristor (1970 - c. 2000) © 2012 KenRockwell.com. All rights reserved. Intro Specs Performance Usage Recommendations More Vivitar 283 (covers a 35mm lens on full-frame, 17.520 oz./496.6g with four Sanyo AA Eneloop, about \$5 used). This free website's biggest source of support is when you use these links, especially this link directly to them at eBay (see How to Win at eBay), when you get anything, regardless of the country in which you live. Thanks! Ken. September 2012. Better Pictures Vivitar Nikon Canon Fuji LEICA All Reviews GN 80 feet at ASA 100, rated GN 120. Introduction top Intro Specs Performance Usage Recommendations More B&H Photo - Video - Pro Audio The Vivitar 283 is the world's most classic of all flashes. It's a fully automatic system flash for use with most cameras, digital, 35mm and medium format. The Vivitar 283 is not only the world's most popular flash of all time, it is also extremely modular: you can buy all sorts of crazy and sane accessory filters, zoom filters, light modifiers, cables, sensors and battery packs and more for it. A slightly newer model, the Vivitar 285 and today's Vivitar 285 HV, adds an integral zoom head. It has a hot shoe, as well as an included PC cord for use with any camera or shutter with a standard PC sync terminal. I measured its sync voltage of this original 1970s sample as 267VDC, so don't use the originals on electronic cameras, many of which have sync electronics which could be zapped by this flash. Mechanical shutters and cameras are perfect for use with this flash, and newer versions have much lower trigger voltages. Its illuminated calculator dial is a joy to use; just press the little clear button on the back, and the calculator dial lights evenly in green! Unlike older models like the Vivitar 252, the new thyristor circuitry of the Vivitar 283 uses only the power needed for each shot, saving the rest for much faster recycle time and many more flashes unless you're near the end of the auto range, or shooting at full manual power Specifications top Intro Specs Performance Usage Recommendations More Power Sources 4 AA cells in the included AP-1 battery holder. Alkaline, Ni-Cd, Ni-MH and Eneloop. 512V battery with optional high-voltage battery case and cords. Recycle Time I measure only 5 seconds to ready-light on, and 10 seconds to blink in 100% full, with Sanyo AA Eneloop. Number of Flashes 160+ with alkaline cells. 80+ with NC-1 Ni-Cd pack. Same number of flashes regardless of if used in AUTO or MANUAL modes. Light Output 700 beam candle-power seconds (BCPS). Rated Guide Number 64 (ASA 100 in feet) or 20 (ISO100/DIN 21 in meters). Flash Duration 1/2,000 second (manual), 1/2,000 - 1/30,000 second (Auto). Color Temperature 6,000° Kelvin. Illumination 55° x 55° (covers a 35mm lens on FX, or 24mm lens on DX.) Auto Ranges 2 to 9 feet and 2 to 17 feet Automatic Sensor Measurement Angle 15° Size 3-1/2 x 1-9/16 x 3-1/16 inches. 88.5 x 39 x 77 millimeters. Weight 7.150 oz./202.7g, measured with with two Sanyo AA Eneloop. Rated 5-1/4 oz. (150g), empty. Accessories Included SB-1 AC cord to run from AC power (no batteries needed; runs on 120 and 220 V). Included zipper pouch. Optional NC-1 Ni-Cd pack. Optional MV-1 multi-voltage AC Charger (charges battery while in the flash). Optional Metric (DIN/Meters) calculator dial. Quality Made in Korea. Performance top Intro Specs Performance Usage Recommendations More The nicest thing about this flash is how well it stows its permanently connected sync cord, and its magnificent illuminated calculator dial. Since the sync cord is captive, any you buy should still have their sync cords. In 2012, I measure the actual light output of my Vivitar 283 as Guide Number 45 in feet at ISO 100, which is one stop less than its rated GN 64. This is typical for all flashes, and not bad for a 1970s flash tested in 2012. While rated for a 7-second recycle time, I measure only 4 seconds to ready-light on with Sanyo AA Eneloop. The worst thing about this flash is that in AUTO mode, it dumps all the power for every shot, just the same as if you shot it in MANUAL at full power. I measured the sync terminal voltage as 203.8 VDC, so watch it with the newest cameras. I measure about 100 mA idle current drain with the ready light on. Usage top Intro Specs Performance Usage Recommendations More Sync WARNING: Avoid using this on newer electronic cameras, as its sync voltage of over 200 volts might damage newer cameras. Use it only with mechanical cameras, or with cameras rated for use with sync voltages of 250 volts or higher. Slide it in your hot shoe like any other flash. For older cameras, pull the sync cord out of the bottom and connect it to your shutter or camera. Exposure Set the calculator dial to your film speed. The graphics are a little confusing, since they are designed to make it easier to set ASA 160 for High-Speed Ektachrome, ASA 64 for Kodachrome X and ASA 125 for Plus-X. The "160" is actually over the dot for ASA 200, with a line to the ASA 160 spot. The "125" is actually over the dot for ASA 100, with a line to the ASA 125 spot. The "64" is actually over the dot for ASA 50, with a line to the ASA 64 spot. Turn on the flash, and the button above the power switch (below the calculator) will glow in neon orange when the flash is ready. If you want to test-fire the flash, just push the lit orange button. To light the dial smartly in green, press the button on top. For use up to 9 feet, select the RED AUTO mode on the front sliding switch, and set the f/stop shown on the calculator dial on your camera. As shown for ASA 125 film, set f/8. For use up to 17 feet, select the BLUE AUTO mode on the front sliding switch, and set the f/stop shown on the calculator dial on your camera. As shown for ASA 125 film, set f/4. For MANUAL exposure, focus the camera, look at the distance, and use the f/stop shown next to that distance. Actual Power Output Typical for all electronic flashes, actual maximum or manual power output is a stop less than rated. If you're shooting prints (negatives), don't worry, but if you're shooting slide film, it really only reach to about 6 feet in RED AUTO mode or 11 feet in BLUE AUTO mode before it starts to underexpose; try yours and see. Since the actual power output is a stop less than rated (like most flashes), I suggest setting the ASA to half the actual rating of your film. For example, for ASA (ISO) 100 film, set ASA 50. Battery Power There is no auto shutoff. If you leave it turned on, it will run-down full Alkaline, Ni-MH or Eneloop cells in about continuous 24 hours. Capacitor Care Vivitar suggests forming the capacitor monthly by letting the ready light glow 10 seconds and popping the flash. Repeat five times. Leave the orange light glowing when you put away your flash; resist the temptation to pop the last charge. Recommendations top Intro Specs Performance Usage Recommendations More For about \$5 used over eBay, this flash is a great, lightweight choice for use with older cameras that lack a hot shoe. For use with newer cameras with hot shoes, I'd prefer a flash with a thyristor so it didn't use as much battery power in AUTO, but if you're shooting in MANUAL, this then is a great, super-high quality classic flash. This Vivitar 283 is much better made than much of the off-brand junk sold new today. In its day, Vivitar was the leading professional flash maker, and most pros shot a couple of Vivitar 283s. I know I did! Just don't blow your electronic sync circuits by using this on an Autofocus camera. Check your manual and see if your camera can handle 250V and you'll be OK, but many newer cameras only work with sync voltage below 25V. If you've found the time and energy I've expended in sharing this detailed review of a \$5 flash helpful, this free website's biggest source of support is when you use these links, especially this link directly to them at eBay (see How to Win at eBay), when you get anything, regardless of the country in which you live. Thanks! Ken. More Information top Intro Specs Performance Usage Recommendations More Vivitar 283 Users Manual (scroll down). Help me help you top I support my growing family through this website, as crazy as it might seem. The biggest help is when you use any of these links to Adorama, Amazon, eBay, Ritz, Calumet, J&R and ScanCafe when you get anything, regardless of the country in which you live. It costs you nothing, and is this site's, and thus my family's, biggest source of support. These places have the best prices and service, which is why I've used them since before this website existed. I recommend them all personally. If you find this page as helpful as a book you might have had to buy or a workshop you may have had to take, feel free to help me continue helping everyone. If you've gotten your gear through one of my links or helped otherwise, you're family. It's great people like you who allow me to keep adding to this site full-time. Thanks! If you haven't helped yet, please do, and consider helping me with a gift of \$5.00. As this page is copyrighted and formally registered, it is unlawful to make copies, especially in the form of printouts for personal use. If you wish to make a printout for personal use, you are granted one-time permission only if you PayPal me \$5.00 per printout or part thereof. Thank you! Thanks for reading! Mr. & Mrs. Ken Rockwell, Ryan and Katie. Home Donate New Search Gallery Reviews How-To Books Links Workshops About Contact

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