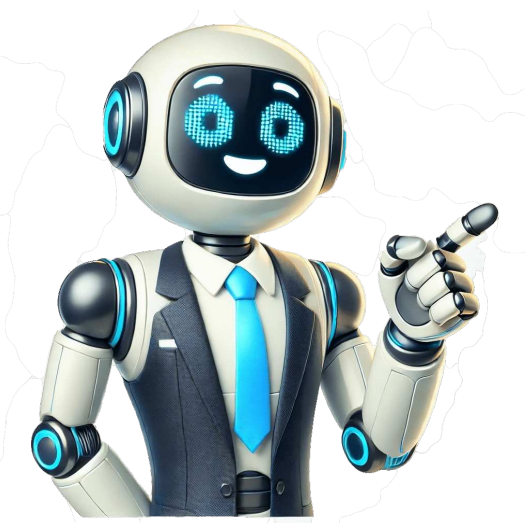


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To navigate between items, use your keyboard's up or down arrows. Go back to filtering menu Your recently viewed items and featured recommendations Classic Camera PX625 Battery Replacement for Minolta SRT101 and Other Cameras Updated 08/20/21 This story is about my quest to find the best battery replacement for my classic Minolta SRT 101 camera. I first owned a black Minolta SRT 101 in 1970, and recently decided to acquire another one. After collecting lenses, I ended up with two bodies that needed new seals and some shutter speed adjustments. Both were sent to my trusted repairman for a CLA (Clean, Lube, & Adjust) and new seals. Upon receiving the cameras back, I was pleased to find they both functioned smoothly. Now, onto the main topic: what battery to use? The original PX625 mercury batteries are no longer available in the US. I've read online that different people have different opinions on this issue. While some provided general reasons why a particular solution is best, none had actually compared the options and shared their results. This led me to document my process of finding the best possible solution. Not being an expert or camera repairman, I decided to approach the problem by testing three available solutions using my Minolta cameras, Canon 5D Mark III, and Sekonic Light Meter. Only fresh batteries were used in all devices for the testing. The Three Solutions Tested Were-- 1) Duracell recommended replacement battery for the Minolta SRT 101 (PX625ABPK Alkaline Battery, 1.5v) 2) Paulbg.com adapter ring allowing usage of a smaller hearing aid battery (ZA675 Zink Air Battery, 1.4v) 3) CRIS MR-9 adapter fitting commonly available 1.55v battery and reducing voltage output to desired 1.35 volts (Energizer Silver Oxide 386 Battery 1.55v). The Methodology-- --Three constant lighting conditions were used for comparison: Strong Light, Medium Light, Lower Light --Two aperture settings were used for each test: 1 Stop From Largest Aperture (f4) and 1 Stop From Smallest Aperture (f11) --The same lighting scene was used by all devices for each exposure reading --Control devices have previously been tested to ensure relative accuracy --Test exposures were recorded with each device at both aperture settings, for a total of 6 exposure settings for each device --Both Minolta's used the same MC Rooker 35mm lens The Canonet QL17 GIII has a specific slot for inserting batteries sideways. However, not all replacement batteries are compatible due to differences in thickness. The 675 battery size is too thin and may require additional modifications. Proposed solutions include: - Using Duracell 625A, 1.5v "Photo" battery as a drop-in replacement with no adapter needed. - Purchasing an adapter ring from Paulbg.com in England for use with one of several 1.4v Zinc Air batteries. - Buying the C.R.I.S. MR-9 adapter to convert a 1.55v size 386 battery. Results showed minimal differences in exposure between these solutions, which can be compensated for by adjusting film speed or using alternative methods. for future exposures, adjusting the film speed setting on the camera accordingly can yield accurate exposures comparable to the camera metering system's capabilities. The Canon 5D Mark III and Sekonic light meter showed nearly identical results with minor discrepancies in a few areas, which may be attributed to differences in light gathering areas between the two devices. While test results suggest that one camera consistently underexposed more than the other, these disparities decreased as the solution approached the recommended factory voltage range. The 1.3v solution resulted in exposure differences on every comparison, while the 1.4v solution had only 4 of 6 comparisons with differing exposures between cameras. The 1.35v solution had 3 of 6 such instances. Exposure differences exceeding 1 stop might be due to slight changes in lighting between test shots. Conducted in daylight, without cloud cover, these tests may not fully account for potential variations. Battery depletion curves were not considered, as other sources provide this data. The choice between solutions depends on factors like the sharp drop-off shoulder of mercury batteries, which remain stable until near-dead, versus the more gradual decline of alternative batteries. By consistently using fresh batteries and ensuring proper camera maintenance, a person can successfully use any solution to power their exposure meter. Zinkluft batteriet med rätt spänning ger kort livslängd, trots att användningen inte påverkar det. Livslängden är omkring 1 år, dock för att en kemisk process pågår under den tiden. Batteriet är dyrt och avfördelarna kan vara begränsade. Alkaliska batterier är ett alternativ med en relativt bra livslängd, men de försämras i spänning med tiden. En annan optio är Silveroxid batteri SR 44, med en livslängd på 3-5 år beroende på användningen.

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