



Easy print case for Harbor Freight and Sunpro Multimeters (Voltmeter), with eyelet and cord wrap

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Summary

Cases for a HF and Sunpro multimeter, prints with no supports, with eyelet and cord organizer.

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I have couple of inexpensive voltmeters located in my “work” areas. One is a current model [Harbor Freight multimeter](#) and has an eyelet to hang on a tool organizer or pegboard hook. The other is for a Sunpro (Actron) CP7674 multimeter that was purchased at least a decade ago. The Actron CP7674 meter is still available, but has been redesigned a bit so this case may not fit the newer version. Check and compare your meter dimensions with the dimensions below.

Both meters are inexpensive. I use mine to test batteries, 110 and 220V circuits, and anything in between.

The Harbor Freight voltmeter is 24 mm thick X 69mm wide X 126 mm tall.

The Sunpro CP7674 case is made for a slightly larger meter, 27.5mm X 74.8mm X 137.5mm.

(The meter height is not too critical for fitting into the case, but the thickness and width are important.)

If your meter is not the same, but close in size, you should be able to adjust the x and y dimension (& optionally z) by a proportional amount in your slicer to get a good fit. I used PETG, but ASA, ABS, TPU, SBS and other materials should work well. I suggest printing standing up so no supports will be needed.

If you are having adhesion problems, please consider using a brim to help hold the outside arm of the cord wrap.

The multimeter should be a tight fit in the case, to stay firmly in place.

Model files



hf-multimeter-case.stl



sunpro-cp7674-case.stl

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