



Velleman DVM850BL Digital Multimeter Teardown

This teardown shows the internal circuitry of a digital multimeter.

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INTRODUCTION

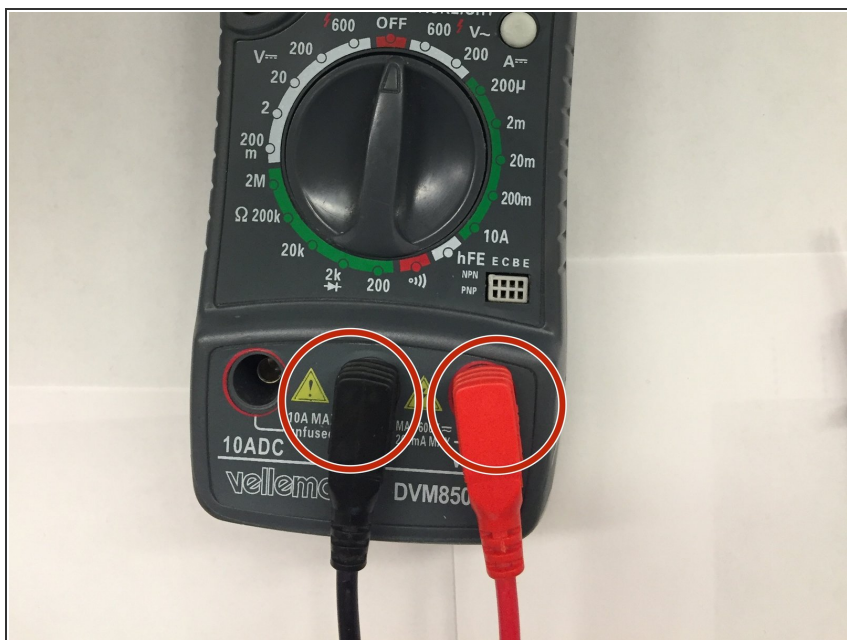
This teardown shows the internal circuitry of a digital multimeter.



TOOLS:

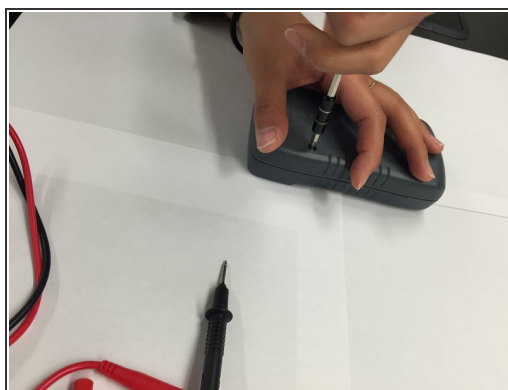
- [JIS Driver Set](#) (1)
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Step 1 — Removing Leads



- Remove lead connectors from front panel.

Step 2 — Remove Back Casing Screws



- Turn over the DVM and unscrew the two screws using a J1 bit.

Step 3 — Battery and PCB Screw Removal



- Remove battery by gently disconnecting it from connector.
- Remove three screws using J1 bit.

Step 4 — PCB Removal




- Remove PCB by gently pulling it away from the back encasing.
- Microprocessor
- Continuity Check Speaker
- Fuse
- 9 V Battery Connector

Step 5 — Complete The Teardown



- Remove the knob and buttons from the front grey casing.

 The measurement knob uses two ball bearings that allows the knob to rotate. These bearings are small and easy to lose.

- Backlight Toggle Button
- Measurement Hold Button
- LCD Plastic Cover
- Measurement Select Knob
- Measurement Select Knob Ball Bearings
- Success! You have finished tearing down the multimeter.