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Mooshimeter

⊙ TOL-13843 ROHS✓

★★★★☆ 14

DESCRIPTION   INCLUDES   **FEATURES**   DOCUMENTS

- Connects to iOS or Android
- Measures voltage, current, resistance, temperature
- Measures 2 channels at once
- Logs to SD card (not included) for up to 6 months
- 24 bit precision gives you sensitivity to see small changes
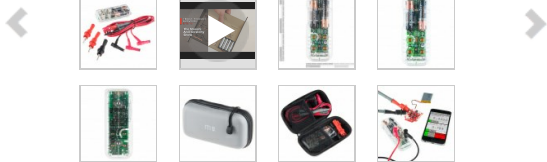- Accessory kit included

Tags

APP   BLUETOOTH   INSTRUMENT   MULTIMETER   PHONE   TOOLS
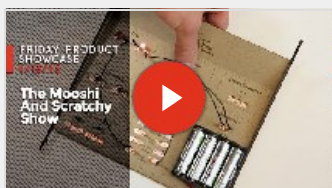
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Mooshimeter Product Help and Resources

VIDEOS   SKILLS NEEDED

FRIDAY PRODUCT SHOWCASE
The Mooshi And Scratchy Show
▶

SparkFun 4-15-16 Product Showcase: The Mooshi and Scratchy Show

PUBLISHED ON APRIL 15, 2016

COMMENTS 15   **REVIEWS ★★★★☆ 14**

Customer Reviews

★★★★☆ 4.1 out of 5

Based on 14 ratings:

5 star	████████	8
4 star	████	4
3 star		0

Currently viewing all customer reviews.

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2 of **2** found this helpful:

★ ★ ★ ★ ★ Highly useful

about 2 years ago by Member #39711 ✔ verified purchaser

I purchased the Mooshimeter about a month ago. The meter is impressively well-built, comes with high quality insulated test probes with plug-in alligator clips for when you need to hook on to some circuit element for extended monitoring.

It took me an hour or so of reading the instructions and tinkering to get comfortable with the operation of the device. My first test was to remotely monitor the current and voltage output of a solar panel under various conditions of lighting. Being able to monitor current and voltage simultaneously was a very handy feature for this purpose.

Presently I have the Mooshimeter set up in my workshop, monitoring rectified Radio Frequency Interference levels, as received on a short-wave receiver operating there. The workshop is about 60 feet from the house. I suspended the Meter in front of a window in order to receive the strongest signal over that distance, and stand near a window in the house with my iPhone to check the voltage levels in question. As a bonus I can check the temperature in my shop, though response in this case is rather slow since the Mooshimeter's temperature sensor is buried inside the case.

The Mooshimeter is well-worth its price and I have no reservations about recommending it to anyone who requires a compact multi-meter capable of being monitored from a distance.

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2 of **2** found this helpful:

★ ★ ★ ★ ★ Almost a "Must Have"

about 2 years ago by Member #57950 ✔ verified purchaser

Very well constructed, very accurate, very intuitive to use. The graphing function is lovely.

Doesn't come with a manual, get that plus tips & tricks at: https://moosh.im/documentation/

This won't replace your multimeter for immediate "one-off" measurements (you need a separate smartphone or tablet to get readings), but it is wonderful for remote sensing and watching volts/amps/ohms change with time & conditions.

The one major flaw, which I hope will be fixed in firmware soon, is that the logging function is effectively useless in the current device iteration- it only logs to a micro SD card (not included), and you can only retrieve the log by unscrewing the case and pulling the SD card out to read it on a separate computer- you cannot access the SD card, either physically or to transfer the data, from outside the case. There is no "read log data" function in the Android or iOS software.

The case in the currently shipping device *does* have a slot cut out for SD access (on one side), but unfortunately that access is blocked by a flap on the other side of the case. From the dialogue on the web site, I guess this is due to regulatory requirements for this high voltage test device. You *can* cut off this blocking flap, to access the SD without taking the case apart, but even then it is difficult to pull the SD out, because it doesn't pop out far enough to easily grab, with the case in place. I solved that with a thin strip of adhesive tape attached to the uSD, sticking out of the case…

A much better solution would be for the logged data to be downloadable via Bluetooth to your display device, so that you would never need to mess with the SD card after installing it… I can't imagine why that has not been implemented. A nearly fatal flaw, for a device otherwise perfectly designed as a remote sensing & logging instrument.

Still- a very nice and handy device, *almost* a must have for your tool bench…

joel.

UPDATE 9/10/16 after 3 months use: some teething pains, but I am liking this meter more and more. Of special note is that the developer is *very* active in supporting users- if you post to the support forum at https://moosh.im, you are likely to get a personal response within hours or even minutes.

I should mention a particular problem that has affected many early adopters (including me): the battery clips used on some early units had burrs that could short out a battery. The symptom was that you might find one battery totally dead (0 volts), while the other battery was still fine. That's been fixed for newer units (new battery clips from a different manufacturer), but if you experience this problem, see the support dialogue at https://moosh.im/2016/09/short-circuiting-battery-problem/

Have fun- joel.

★★★★★ Mooshimeter is great!

about 2 years ago by **Member #24481** ✔ verified purchaser

Just received the Mooshimeter and I am very impressed. The case seems to be high quality. The test leads are excellent, well made, very flexible. I really like the tip protectors.

The app is very easy to use, no problems connecting the Mooshimeter to my phone.

I tested the Mooshimeter against my voltage, current and resistance standards (from voltagestandard.com - highly recommended). The Mooshimeter was very accurate, in all cases better than the specifications.

2 of **2** found this helpful:

★★★★☆ Very cool, interesting device

about 2 years ago by **Member #409848** ✔ verified purchaser

Interesting device. A little buggy in the software though. The firmware download is squirrely though, took a few attempts with different devices to get it to work. I was particularly interested in the logging feature, and it works, but also a little flakey: The interval that you program in kinda stays, but it will either not stick or change during a measurement run, which can be a pain when analyzing data.

Shows tremendous promise.

1 of **2** found this helpful:

★★★★☆ Not had time for full test

about 2 years ago by **Member #396215** ✔ verified purchaser

Loaded software for I phone and it works as advertised. Will add another review after I use it for a while.

Will

★★★★★

about 7 months ago by **Member #1088537** ✔ verified purchaser

Very simple to deal with and powerful at the same time.

★★★★★ Excelent

about 5 months ago by **Member #535049** ✔ verified purchaser

Excelent

★★★★☆ Great little unit

about 4 months ago by **gec** ✔ verified purchaser

So good wished I had found it years ago. Going to get a couple more. Saves so much time.

★☆☆☆☆ Bad - battery leak, Mooshimeter bricked

about 2 months ago by **Member #340476** ✔ verified purchaser

Original batteries leaked, damaging the circuit board. Meter was in sleep or storage mode, and stored inside house. wasted. And now I see that moose.im web site system is offline. Company out of business?

> 🔧 **CF** replied on January 8, 2018:
>
> I'm sorry to hear that your batteries leaked. Unfortunately *any* AA cell can leak if left alone for an extended period of time. Mooshimeter is still in business and you can find them at https://moosh.im/mooshimeter. You might try contacting them to see if there is anything that can be done to revive your meter.

★★★★★ Great for measurements that need to be isolated!

about 2 days ago by **Member #73566** ✔ verified purchaser

I needed to measure the voltage and current across two points where either one could go positive or negative. This worked great! And anyone using the system could check current and voltage on their own phone!

⭐☆☆☆☆ **After watching a review for this meter on Electro-BOOM!'s youtube...**

about a year ago by **Member #581720** ✔ verified purchaser

I was really excited about this meter, but easy 95% of the time the app crashes and won't work. I'll probably return it if possible.

> 🔥 **ROB-24601** replied on December 15, 2016:
>
> Hmmm, we haven't seen issues with these. I'd suggest getting in touch with our tech support team, they should be able to help resolve any issues you're having.

⭐⭐⭐⭐⭐ **Best multimeter purchase I've ever made**

last year by **Member #375876** ✔ verified purchaser

I saw this product online and thought I'd take a risk and buy one. I need to take current and voltage measurements and log results - this has made my life so easy. I can see on my mobile what's happening and from my mobile send myself the log files. Brilliant!

⭐⭐⭐⭐☆ **Great product, minor bugs**

about 11 months ago by **Member #947008** ✔ verified purchaser

The Mooshimeter does exactly what it promises to do. Installation on an Android device was frustrating at first since the firmware bootloader never seemed to finish installing. After a complete installation of the firmware, reinstalling the Mooshimeter app on my phone solved the problem.

⭐⭐⭐⭐⭐ **Just great**

about 11 months ago by **Member #935954** ✔ verified purchaser

Used it several times on high voltage boards while staying at distance. Measuring resistance without having to walk up and down to the control panel. Used it to log the battery level and consumption of a wheel loader while continuing other tasks. Easy to use, bluetooth connectivity works flawless,…etc

Just great

START
SOMETHING.

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In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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