



Mute This Topic (https://groups.io/g/HP-Agilent-Keysight-equipment/ft/89218759?csrf=5513314409256117711&mute=1&p=Created%2C%2C%2C20%2C2%2C0%2C0)

### Power meter E4416A problem power on Date ▲ (https://groups.io/g/HP-Agilent-Keysight-equipment/topic/89218759?p=Created%2C%2C%2C20%2C2%2C0%2C0)



Mohamed Atif

Feb 17 (https://groups.io/g/HP-Agilent-Keysight-equipment/message/122579)

Hello,

I have agilent E4416A series power meter. the voltages are ok 12v,-12v, 5v and the battery measures 2.9v the stand by light is on but when I press the power button nothing happens you can help me and thank you in advance.

Best regards

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Richard Parrish

Feb 17 (https://groups.io/g/HP-Agilent-Keysight-equipment/message/122580)

You're going to have to replace the keypad assembly, this is a very common problem in all the new series of instruments and the E19xx series of meters.

Price isn't too bad and you can find them for much less on Ebay.

Richard

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Mohamed Atif

Feb 17 (https://groups.io/g/HP-Agilent-Keysight-equipment/message/122585)

Thanks for your reply.

what problem with this keypad? my power meter a month ago it works well I was on vacation when I came back I turn it on the orange button lights up but when I press the on button nothing happens.

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Mohamed Atif

Feb 18 (https://groups.io/g/HP-Agilent-Keysight-equipment/message/122609)

How is the Price of this keybad in eBay.

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Mohamed Atif

Feb 18 (https://groups.io/g/HP-Agilent-Keysight-equipment/message/122610)

It's very expensive in ebay

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Feb 18 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/122614\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/122614)

The lowest price I see is \$21.76 US. Example <https://www.ebay.com/itm/165078577905> (<https://www.ebay.com/itm/165078577905>)

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Richard Parrish

Feb 18 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/122621\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/122621)

The switch contacts are laminated into the front panel overlay. Cheap to manufacture but the failure rate is high after 4-6years of constant service. The part number is E4418-66502 Key Flexi Circuit (\$302 from Keysight) and is used in the E4416, 17, 18, and E4419. It might be cheaper to buy a defective power meter and scavenge it for the overlay. You can search ebay for front panel overlay and you should find some for sale. I've seen prices range from \$30 to 125.00 on ebay and they're all selling the same item that is of course, Make in China. . . . There are some listed now for \$27, titled For Agilent/HP E4418A/B /E4416A/E4419A/B/E4417A Press Key Film membrane keypad  
Richard

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Tom B

Feb 18 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/122622\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/122622)

There are on ebay now for as low as \$21 and as high as \$125.

I bought some a while back. They work fine but instead of an orange standby LED it has a red LED.

Tom Bryan  
N3AJA

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jfphp

Feb 18 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/122623\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/122623)

Another problem with these power meters (4418) : a single tiny dead line on the display. Any idea ?

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Mohamed Atif

Feb 18 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/122625\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/122625)

it can be a problem with the keypad or also a problem with the motherboard an electronic component is defective

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Mohamed Atif

Feb 18 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/122626\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/122626)

Richard

it can be a problem with the keypad or also a problem with the motherboard an electronic component is defective.

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Vladimir Filip

Feb 18 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/122627\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/122627)

You can check this Youtube video: <https://www.youtube.com/watch?v=KV6pEI5kAUw> (<https://www.youtube.com/watch?v=KV6pEI5kAUw>)

Solving exactly the same issue as you have. It shows how to check all power supplies and also how to switch on the instrument by shorting specific contacts on main board what should tell you whether your meter or just keypad are faulty.

Vladimir

Dne 18.02.2022 v 21:05 Mohamed Atif napsal(a):

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Mohamed Atif

Feb 18 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/122628\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/122628)

Ok Vladimir thanks

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Tom B

Feb 18 [🔗 \(https://groups.io/g/HP-Agilent-Keysight-equipment/message/122629\)](https://groups.io/g/HP-Agilent-Keysight-equipment/message/122629)

Displays are really hard to find. Does anybody know the specs on the display?

Tom

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→ (<https://groups.io/g/HP-Agilent-Keysight-equipment/topic/89227659?p=%2C%2C%2C20%2C0%2C0%2C0%3A%3A%2C%2C%2C0%2C0%2C0%2C89227659>)