

Mute This Topic (<https://groups.io/g/HP-Agilent-Keysight-equipment/ft/90953844?csrf=5513314409256117711&mute=1&p=Created%2C%2C%2C20%2C1%2C0%2C0>)

VFD for Agilent 53132A Date ▾ (<https://groups.io/g/HP-Agilent-Keysight-equipment/topic/90953844?p=Created%2C%2C%2C20%2C1%2C0%2C0>)

Adrian Godwin

May 8 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/126253>)

Probably not a multimeter if it starts 33, but the 33120A function generator does have a very similar display with just annunciators different.

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Steve - Home

May 8 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/126249>)

The front panel is still available (2 in stock) for a whopping \$323 but as was mentioned, the VFD doesn't show up on the parts page any longer. I don't have a 53132A so haven't bothered to ask my Keysight rep if there's any chance there's a display tucked away somewhere.

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Alexandre Souza

May 8 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/126243>)

Reasonably priced it is a bit difficult, but you can find it on aliexpress. The display used in the 33something multimeter seems to be exactly the same, but the words on the bottom of the vfd.

Enviado do meu Tele-Movel

Em sáb, 7 de mai de 2022 11:31, Keith <keith@peardrop.co.uk> (<mailto:keith@peardrop.co.uk>)> escreveu:

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Qw3rtzuio

May 8 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/126242>)

Keysight doesnt sell the the 531xx front panels and vfds anymore. But someone on github already reverse engineered the display protocol: https://github.com/raggess/hp_display

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Steve - Home

May 7 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/126192>)

You might be surprised. I got the display and front panel for a 33401A a year or so ago and they were a good price and guaranteed.

Steve

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Lothar baier

May 7 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/126190>)

Looking at the schematics of the 53131A there is a SN75518FN integrated circuit that drives the VFD , this IC seems to serve as a level shifter from 5 to 38V as well as a serial decoder as there are 4 signals VFDSSEN/VFDSCLCK/VFDSOUT/VFDSIN which appears to indicate a 4-Wire Serial interface , shouldn't be too hard to figure out

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Lothar baier

May 7 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/126189>)

I don't think doing a whole FP would be viable but re-designing the FP circuit board might be more feasible , one would have to look at how its driven from the main board and then just use a small MCU to convert the signals and drive a dot matrix or even a LCD or TFT

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Adrian Godwin

May 7 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/126187>)

There were a few on ebay last year or 2020 but they dried up. By contrast, the 34401A VFDs seem to get ever cheaper. Somebody on eevblog had some similar displays (for some other DMM, I forget which) made using a matrix of LEDs and claimed any reasonable LED packager could do the same. I can see why, but it would probably be a whole front panel rather than just a VFD.

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Keith (</g/HP-Agilent-Keysight-equipment/profile/5757840>)

May 7 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/126186>)

Hi Dave,

No, I assumed they would be megabucks from KS! If it comes to it I will try them, was hoping there might be a Chinese source out there...

Keith

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Dave McGuire (</g/HP-Agilent-Keysight-equipment/profile/77825>)

May 7 (<https://groups.io/g/HP-Agilent-Keysight-equipment/message/126181>)

On 5/7/22 10:31, Keith wrote:

I'm trying to find a source for a replacement VFD for a HP/Agilent 53132A. The usual suspects (eBay, AliExpress) don't seem to have them - anyone know a (reasonably priced) source?

Have you checked with Keysight? I'd think they still sell them.

-Dave

--
Dave McGuire, AK4HZ
New Kensington, PA

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Keith (/g/HP-Agilent-Keysight-equipment/profile/5757840)

May 7 (https://groups.io/g/HP-Agilent-Keysight-equipment/message/126179)

I'm trying to find a source for a replacement VFD for a HP/Agilent 53132A. The usual suspects (eBay, AliExpress) don't seem to have them - anyone know a (reasonably priced) source?

Thanks, Keith.

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(https://groups.io/g/HP-Agilent-Keysight-equipment/topic/90930088?p=,,,20,0,0,0:,,,0,0,0,90930088)

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