

- / 🗨 Topics (<https://groups.io/g/TekScopes/topics?p=,,,0,0,0,0>)
- / 🗨 AFG5101 owners, can you check your firmware revision for me?



🔊 Mute This Topic (<https://groups.io/g/TekScopes/ft/93527499?csrf=5513314409256117711&mute=1&p=Created%2C%2C%2C20%2C1%2C0%2C0>)

AFG5101 owners, Date ▲ (<https://groups.io/g/TekScopes/topic/93527499?p=Created%2C%2C%2C20%2C2%2C0%2C0>) can you check your firmware revision for me?



Jared Cabot

Sep 7 (<https://groups.io/g/TekScopes/message/195674>)

Hi all,

I recently came into possession of an AFG5101 arbitrary waveform generator. I plan to fix the dim backlight and replace the backup battery with a custom made replacement with a replaceable coin cell, and maybe even build my own Option 02 - Frequency Locked Synthesizer board too eventually.

My question for now though is, can anyone who has one of these please check the firmware revision in their unit? I have v1.2 (which I've uploaded to Tekwiki) but I'm wondering if there is a later revision out there? You can check either by removing the left side panel and checking on the sticker on the EPROM chip, or the display during the boot process.

If anyone has a version other than v1.2, and you can dump the contents of the EPROM for me, it would be greatly appreciated. I'll upload it to Tekwiki for posterity. :)

Thanks!
Jared

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Harvey White

Sep 7 (<https://groups.io/g/TekScopes/message/195680>)

Can't help about the software revision, but I have an AFG5101 that had the same LCD problem. The backlight is an EL panel which went out.

I replaced the display with a negative LCD display (white on black background) that had essentially the same instruction set and chip. It was a 1:1 replacement although I had to modify the display to pull the backlight voltage from the supply.

Harvey

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Jared Cabot

Sep 7  (<https://groups.io/g/TekScopes/message/195684>)

Good to know the LCD is replaceable.

I assumed it was probably EL backlit as I could hear the inverter whine come and go as I turned the backlight on and off in the settings.

I'll pull it apart soon and take a look for myself to see how difficult it is to replace the EL panel compared to going to LED or just replacing the whole LCD. I wouldn't mind changing the colour to black text on white background rather than blue too.

I'm not overly impressed with the contrast of the LCD at the moment, even when turned up, so I think I know what the choice will end up being....

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Harvey White

Sep 7  (<https://groups.io/g/TekScopes/message/195685>)


I suspect you could find one in Akihabara if they still stocked things that old. The contrast is greater than the standard blue/black on off green background. The panel replacement is, IIRC, a wire pin for pin, same standoffs (they're the same size), and make sure that the backlight is running off 5 volts.

Harvey

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Egge Siert

6:31am  (<https://groups.io/g/TekScopes/message/195689>)

Hi both,

I used these:

<https://www.ebay.com/itm/112062440575> (<https://www.ebay.com/itm/112062440575>)

And this link is handy for those with a very dim Display:

<https://www.reducescrapping.com/Engine-Powered-/Gasoline-Powered-/DuPage-County-/Tektronix-afg-5101-arbitrary-function-generator-AFG5101.do> (<https://www.reducescrapping.com/Engine-Powered-/Gasoline-Powered-/DuPage-County-/Tektronix-afg-5101-arbitrary-function-generator-AFG5101.do>)

Greetings,

Egge Siert

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Egge Siert

6:54am (<https://groups.io/g/TekScopes/message/195691>)

Hi again,

There is a V1.4:

<https://www.artisanng.com/TestMeasurement/69164-5/Tektronix-CPU-Board>
(<https://www.artisanng.com/TestMeasurement/69164-5/Tektronix-CPU-Board>)

Greetings,

Egge Siert

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1 - 6 of 6



(<https://groups.io/g/TekScopes/topic/93540009?p=%2C%2C%2C20%2C0%2C0%2C0%3A%3A%2C%2C%2C0%2C0%2C0%2C93540009>)

