

Frequency Response Analysis Tool for Picoscope

(appears to be PC-based; sorry mac users ☹)

Notes compiled 17 July 2020 by JE:

Links for info and download:

<https://www.picotech.com/library/picoapp/frequency-response-analyzer-with-bode-plots>

<https://bitbucket.org/hexamer/fra4picoscope/wiki/Home>

Jon's experience:

1. Download from this page: <https://bitbucket.org/hexamer/fra4picoscope/downloads/> the following (which https://bitbucket.org/hexamer/fra4picoscope/downloads/FRA4PicoScope_0.7.0b_RC1.msi)
2. Install per usual. I did NOT need to download and install the SDK that was recommended
3. Get the program to recognize your hardware: File> connect scope...

Then choose the pico2000 option

This step may happen automatically, but didn't on my laptop.

4. Set appropriate min and max frequency settings.
5. May need to wait a while for the app to go through its gyrations. IN example below, I had a 1stage LPF with cutoff set to ~50 Hz. The result I got is shown below. Gain and phase plots look entirely sensible!
6. Summary – pretty easy, very helpful tool, definitely saves a lot of grunt work!

