

Fw: DAC and Amp

Crawford, Christopher B. <c.crawford@uky.edu>

Thu 7/25/2024 1:43 PM

To:Kamyshkov, Yuri <kamyshko@utk.edu>

--Chris

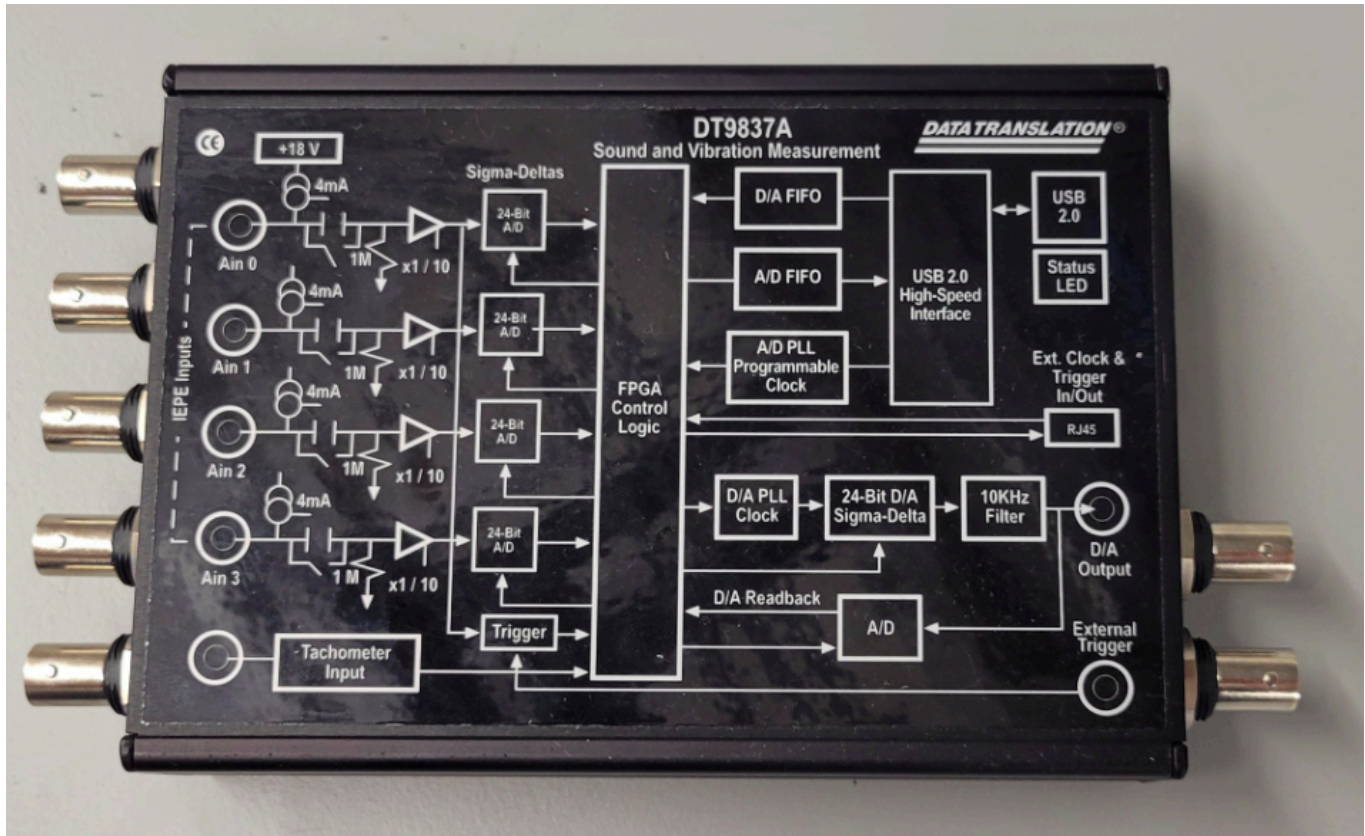
Christopher Crawford, Professor, Director of REU/IRES Programs
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CP327 859-421-9612 uky.zoom.us/my/c.crawford
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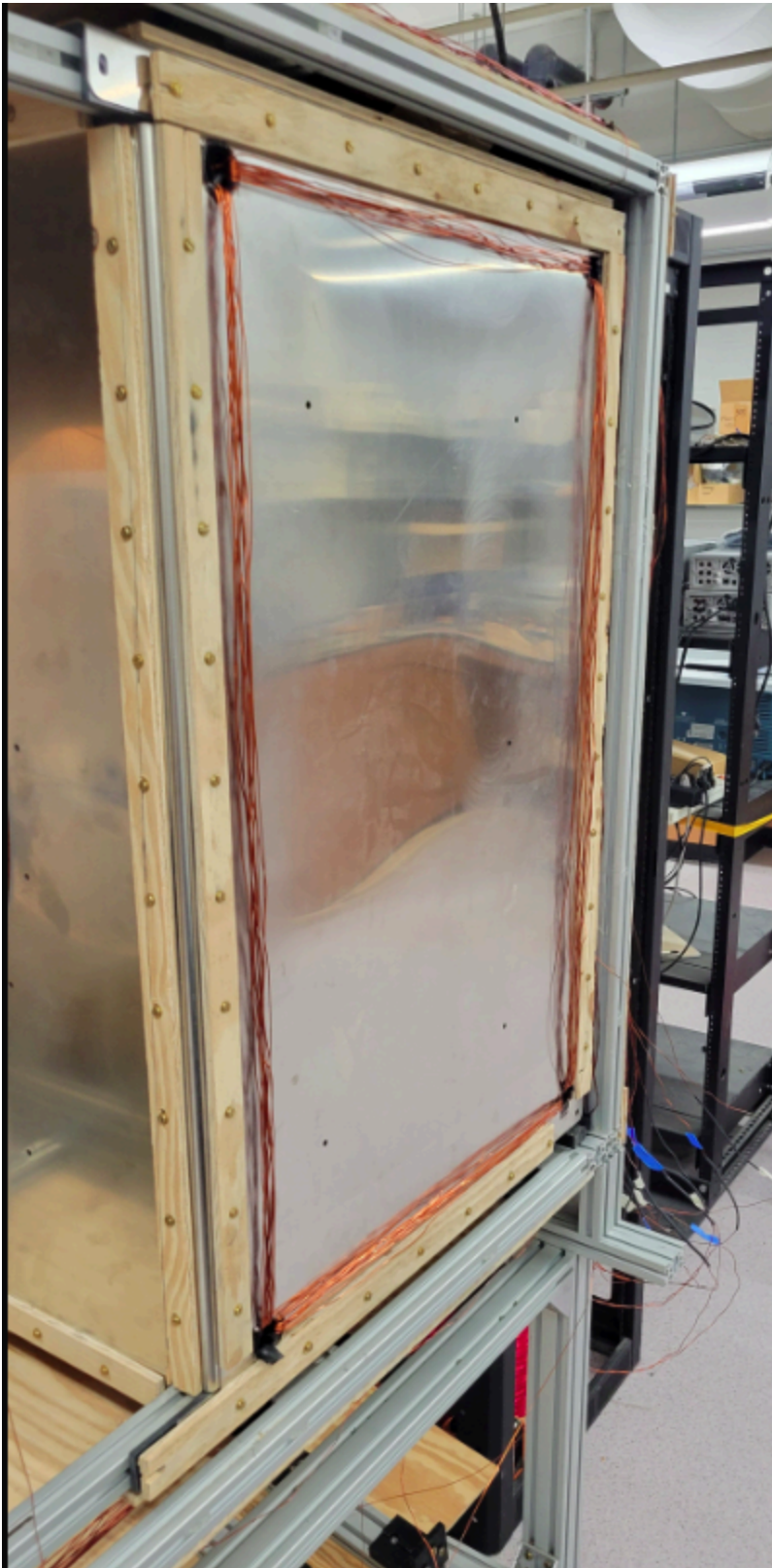
From: Mullins, Andrew <damu224@uky.edu>**Sent:** Thursday, July 25, 2024 1:19 PM**To:** Crawford, Christopher B. <c.crawford@uky.edu>**Subject:** DAC and Amp

For the DAC:

Analog output subsystem (DT9837A)

- One 24-bit D/A converter
- Single value, waveform, and continuous streaming output
- Programmable output rate from 10 kS/s to 52.734 kS/s
- Output range of ± 10 V
- ± 3 mA output current
- Software-programmable trigger source (software trigger, external digital trigger, or analog threshold trigger) to start the analog output operation.





For the amplifier:

Output Noise	Note 1		1		mVrms
			6		mVpp
Output Slew Rate			16		V/ μ s
Input Impedance	50 Ω setting		50		Ω
	Hi-Z setting		1		k Ω
Gain	Non-inverted	0dB setting	0		dB
		20dB setting	20		

Spec sheet for more info: <https://accelinstruments.com/Products/TS250/Waveform-Amplifier.pdf>

Let me know if you need anything else

-Andrew Mullins