RE: Dan Tucker from Polytec - OFV AE discussion

Arend von der Lieth <a.vonderlieth@polytec.com>

Wed 6/26/2019 3:36 PM

To: He, Jiaze <jhe26@eng.ua.edu>; Dan Tucker <d.tucker@polytec.com>;

1 attachments (25 KB)

MSA-049.zip;

Hi Jason,
Thank you very much for your time and the paper which I will take a look at before we finalize our proposal. Please find attached the script I was talking about earlier. The main script is the file MSA-049.py. In it you will find a class PositioningDevice: this is a class that implements the functionality of the corresponding object from our VibSoft library but for devices that our library does not support. This way you could either use an officially supported stage or build your own system. You should not need to modify any of the rest. But let's take a look at the methods in this class and where we would have to modify it if we went with a different type stage controller:

- __init__(): this initializes the hardware and tries to identify the serial number (line 52) as a sign that the stage has been recognized. If it got a serial number back, the script then proceeds to request the number of axes (line 55)
- enableJoystick(): just a simple command to enable the joystick (if the stage is equipped with it). Since you can define a measurement point at the current position, this is a quick and dirty way to generate a list of scan point positions
- sendCmd(): just a function that sends a command to the stage and returns the stage's response
- last but not least we have functions to read the current position and send the stage to a position, respectively. We would need to adjust lines 75, 80, and 88 if the stage controller's command are different.

Other than that the script should work quite fine. Before you try it out, you need to install a few prerequisites:

- Python 3, e.g. https://www.python.org/downloads/
- Pythoncom / win32com: https://github.com/mhammond/pywin32/releases
- wxPython: via pip: pip install –U wxPython
- pySerial: via pip: python –m pip install pyserial

If you want to use the batch file for starting the program, you will need to update the paths in it to point to your python installation and the folder where you have the MSA-049.py file. Please note that you will need a VibSoft license for the script to run. You can download a temporary (trial) license from
http://swupdate.polytec.com/licenseupdates/License_00001D3F_24830_20181109T124032.EXE?sv=2016-05-31&sr=b&si=download&sig=kSFm2exm3l94wGkM%2B82dq3Xa9t79ztSDWny4kfj9y2E%3D
Once you have installed that license on your computer, you will need to download and install Polytec Update from http://swdownload.polytec.com/polyupdate/PolytecUpdateSetup.exe After that you should be able to install VibSoft through Polytec Update but note: w/o any real acquisition hardware, you can only see how the program looks in general but not perform any meaningful tasks. It will also take longer to load as the script needs to wait for a communication timeout when starting up.

I hope that this helps. Please let me know if you have any questions, comments or (hopefully not) problems with the script.

Best regards,
Arend

From: He, Jiaze [mailto:jhe26@eng.ua.edu]
Sent: Wednesday, June 26, 2019 14:27
To: Dan Tucker <d.tucker@polytec.com>

Cc: Arend von der Lieth <a.vonderlieth@polytec.com>
Subject: Re: Dan Tucker from Polytec - OFV AE discussion

Hi Arend and Dan,

It's very nice to talk to you today. Please find the paper and the addresses in the attachments.

I look forward to hearing from you.

Best regards,
Jason

From: He, Jiaze
Sent: Tuesday, June 25, 2019 9:48:52 AM
To: Dan Tucker
Cc: Arend von der Lieth
Subject: Re: Dan Tucker from Polytec - OFV AE discussion

Sounds good Dan.

Look forward to talking with Arend tomorrow at 2 pm (EDT).

Jason

From: Dan Tucker <d.tucker@polytec.com>
Sent: Tuesday, June 25, 2019 8:44:04 AM
To: He, Jiaze
Cc: Arend von der Lieth
Subject: Dan Tucker from Polytec - OFV AE discussion

Hi Jason,

I have an AE scheduled for Wednesday the 26th at 2pm. Let me know if you are still available.

Regards,
Dan Tucker
518.572.3308

From: He, Jiaze [mailto:jhe26@eng.ua.edu]
Sent: Monday, June 24, 2019 9:30 PM
To: Dan Tucker <d.tucker@polytec.com>
Subject: Re: Dan Tucker from Polytec - OFV Demo Equipment Proposal

Hi Dan,

I would like to confirm that if your application engineer has time to talk tomorrow afternoon at 2 (EDT). Just let me know.

Thank you,
Jason

From: He, Jiaze
Sent: Friday, June 21, 2019 9:47:36 AM

To: Dan Tucker; jiaze.he@ua.edu
Subject: Re: Dan Tucker from Polytec - OFV Demo Equipment Proposal

Hi Dan,

It's great to hear from you. I apologize for forgetting to reply.

About the meeting time, how about 2 pm (EDT) for the next Tuesday or Wednesday?

Thank you for your time!

Jason

From: Dan Tucker <d.tucker@polytec.com>
Sent: Thursday, June 20, 2019 9:09:52 AM
To: jiaze.he@ua.edu
Subject: Dan Tucker from Polytec - OFV Demo Equipment Proposal

Hi Jason,

Dan Tucker here from Polytec and again accept my apologies for taking this long to get back to you. The travel schedule has been full! I have attached a proposal for a Demo OFV5000 modular vibrometer with the OFV505. As configured with the VD-09, VD-06 and DD-900 decoders you will see on Page 03 of the OFV-5000 this will be capable of measuring in the Frequency range from 0 Hz to 2.5 MHz as well as in a high precision mode from 0 Hz to 350 kHz. I believe these three cards will address your application well. AND the price new is $72,700 that we are offering at a discounted price of $37,500.

As to the setting up time with an applications engineer, when are you available for a discussion and I will schedule.

My question again on timing of purchase, for these are being offered to the general public. When do you anticipate you would be able to provide a PO purchase?

Warm regards,
Dan Tucker
518.572.3308

From: He, Jiaze [mailto:jhe26@eng.ua.edu]
Sent: Friday, June 7, 2019 8:59 AM
To: Dan Tucker <d.tucker@polytec.com>
Subject: Re: Dan Tucker from Polytec - OFV information

Good morning Dan,

Just want to follow up with you to see if there would be a good time for you to talk more on these?

Jason

From: He, Jiaze
Sent: Tuesday, June 4, 2019 8:27:48 PM
To: Dan Tucker
Subject: Re: Dan Tucker from Polytec - OFV information

Hi Dan,

I apologize for the late reply. My email account had been locked since Friday and I just resolved the problem this afternoon.

It was very good to speak with you as well! Thank you for sharing the following documents.

It's interesting to see more about the compact one. The performance of OFV 534 is similar to 505?

Could you also share the manuals for the invisible light LDV?

I look forward to learning how the programmable i/o can be achieved. Let me know when might be a good time to speak with you or your application engineer.

Meanwhile, could you share some information on the going sales, including possible demo systems?

Thank you for your time!
Jason

From: Dan Tucker <d.tucker@polytec.com>
Sent: Friday, May 31, 2019 10:01:39 AM
To: He, Jiaze
Subject: Dan Tucker from Polytec - OFV information

Hi Jason,

It was good to speak with you again and congratulations on your move to the University of Alabama.

Please find attached the information the OFV family of equipment. I will give you a call next week so we can discuss your requirements further.

Warm regards,

Dan Tucker
Territory Manager

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