III. Results

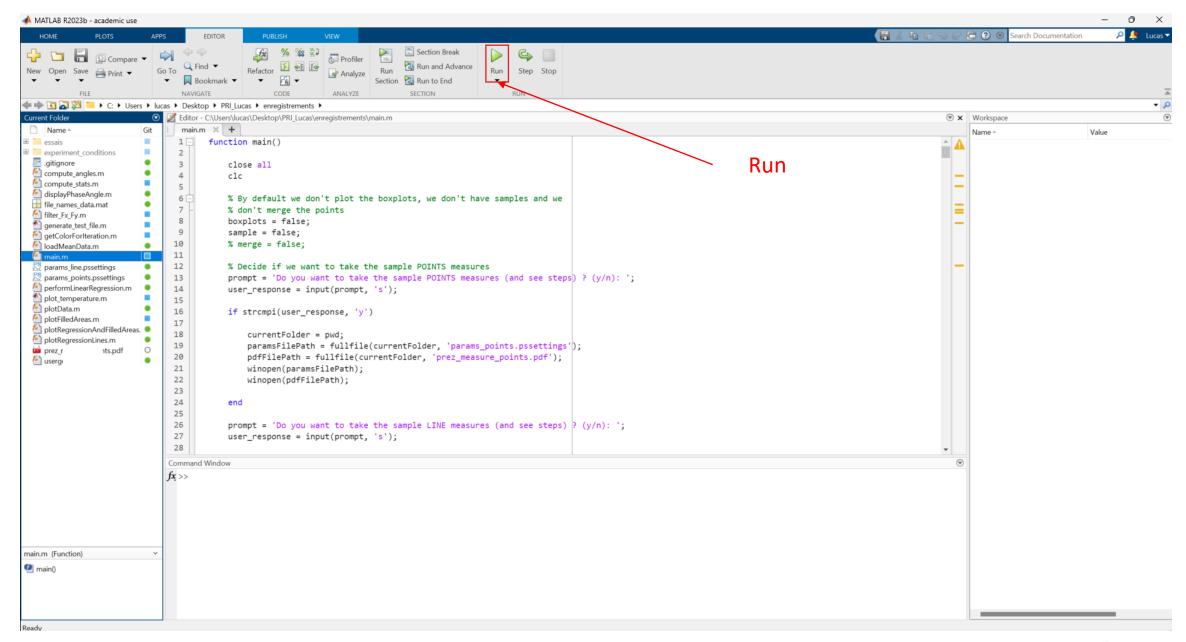
b) Demonstration – Take sample points measures

Run this

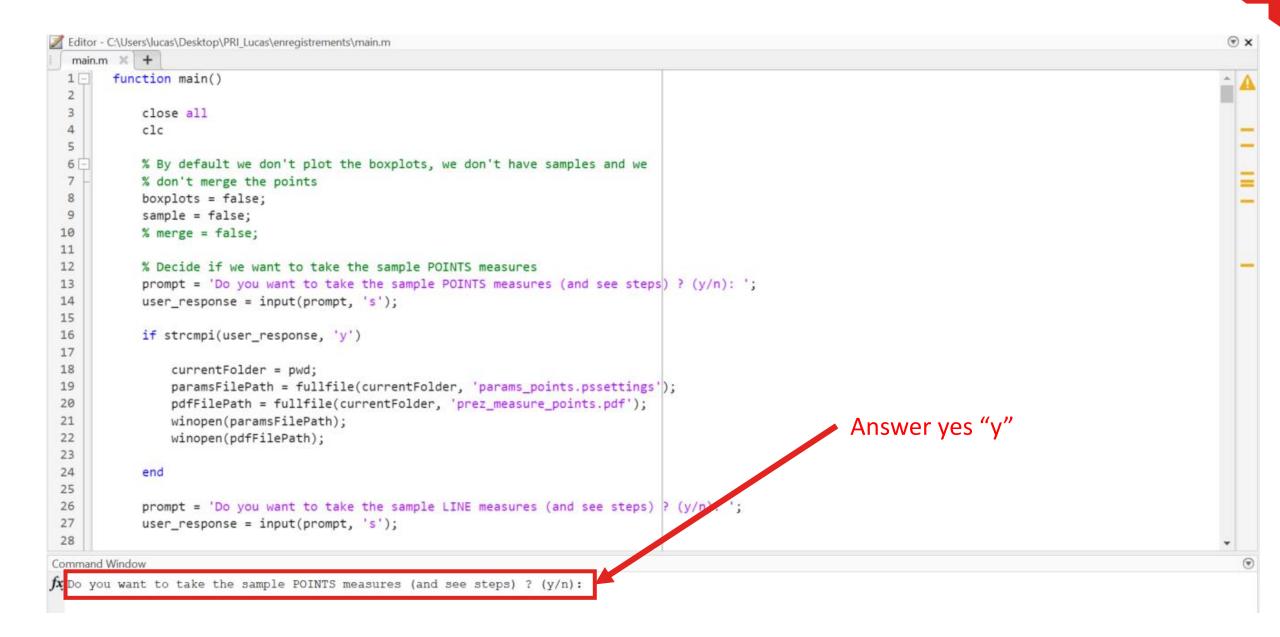
Nom	Modifié le	Туре	Taille
essais	04/06/2024 14:46	Dossier de fichiers	
experiment_conditions	04/06/2024 11:18	Dossier de fichiers	
gitignore	21/05/2024 10:04	Fichier GITIGNORE	1 Ko
1 compute_angles.m	10/04/2024 09:41	MATLAB Code	1 Ko
1 compute_stats.m	04/06/2024 11:10	MATLAB Code	5 Ko
怕 displayPhaseAngle.m	03/06/2024 15:25	MATLAB Code	1 Ko
file_names_data.mat	03/06/2024 14:19	MATLAB Data	1 Ko
filter_Fx_Fy.m	04/06/2024 11:06	MATLAB Code	1 Ko
figenerate_test_file.m	04/06/2024 11:15	MATLAB Code	4 Ko
f getColorForlteration.m	04/06/2024 16:49	MATLAB Code	1 Ko
1 load Mean Data.m	10/04/2024 09:39	MATLAB Code	1 Ko
main.m	04/06/2024 15:06	MATLAB Code	27 Ko
🐯 params_line.pssettings	31/05/2024 14:54	PicoScope 7 Data file	4 Ko
🐯 params_points.pssettings	22/05/2024 11:12	PicoScope 7 Data file	4 Ko
figure performLinearRegression.m	10/04/2024 09:40	MATLAB Code	1 Ko
f plot_temperature.m	04/06/2024 11:32	MATLAB Code	5 Ko
fill plotData.m	04/06/2024 15:41	MATLAB Code	1 Ko
f plotFilledAreas.m	04/06/2024 11:04	MATLAB Code	1 Ko
fill plotRegressionAndFilledAreas.m	17/05/2024 16:21	MATLAB Code	1 Ko
f plotRegressionLines.m	10/04/2024 09:40	MATLAB Code	1 Ko
prez_measure_points.pdf	16/04/2024 10:54	Microsoft Edge PDF Document	1 019 Ko
usergetfiles.m	10/04/2024 17:17	MATLAB Code	1 Ko



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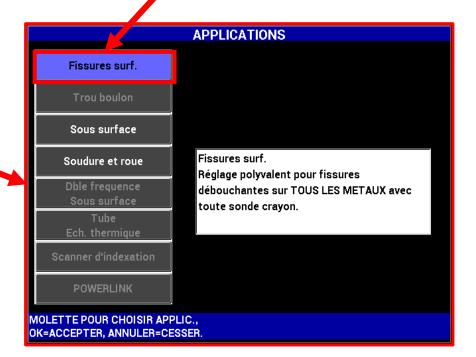




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Select application "Fissures surf."







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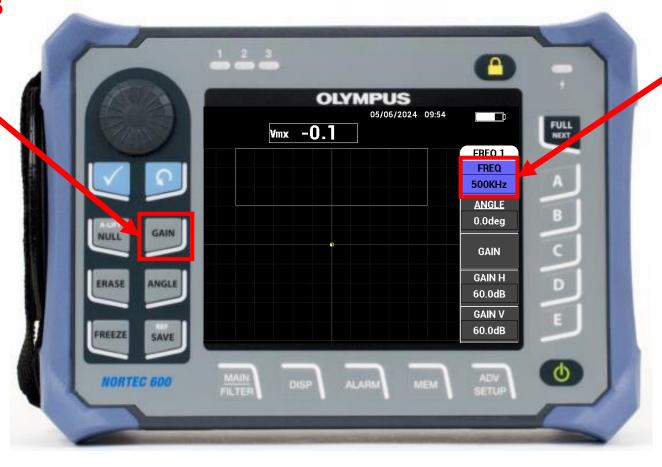
Set:

• Gain H = 50 dB

• Gain V = 44 dB

Set:

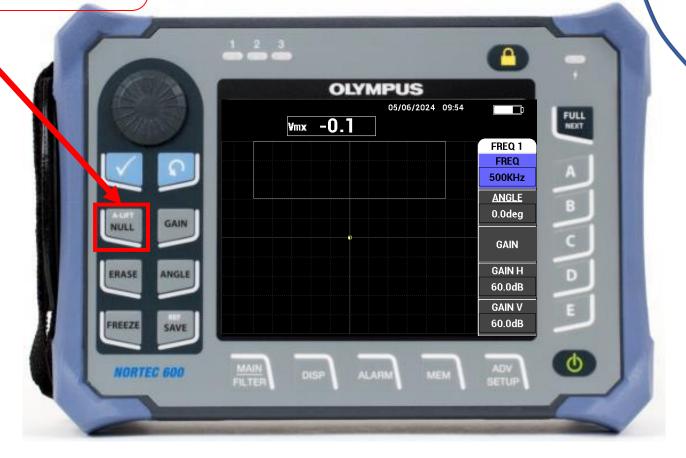
FREQ 500KHz





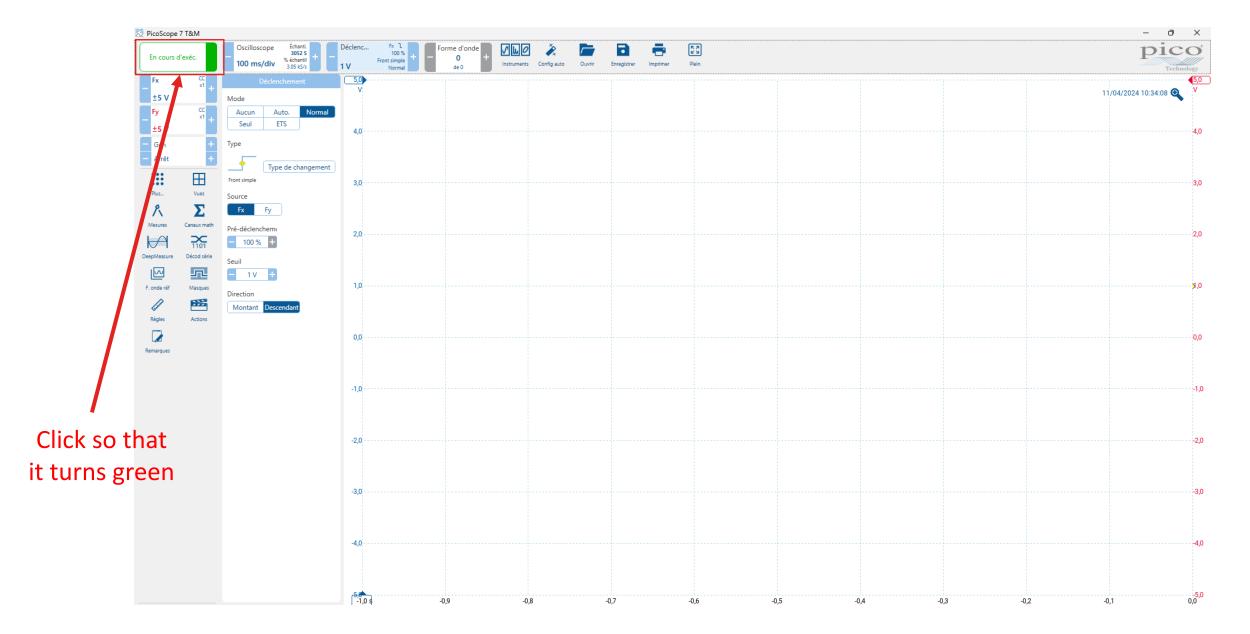
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Set the zero while holding the probe in the air





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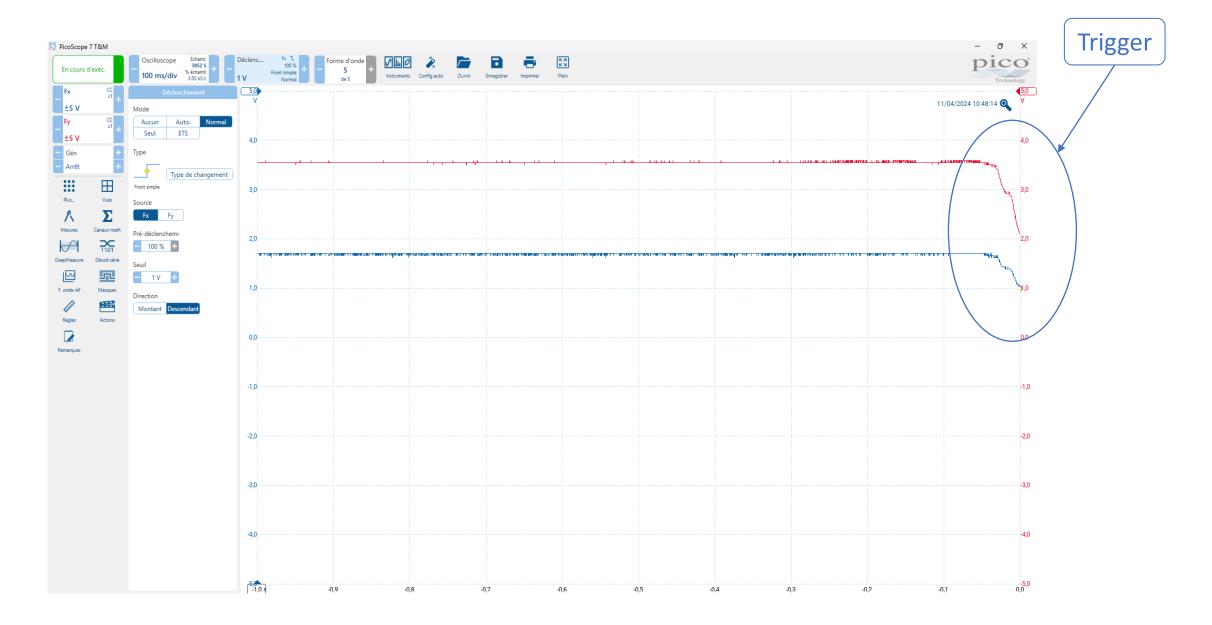
• Step : **Measure**



Try to maintain perpendicularity by pressing the **adjustable collar**, after ~2 seconds lift the probe up



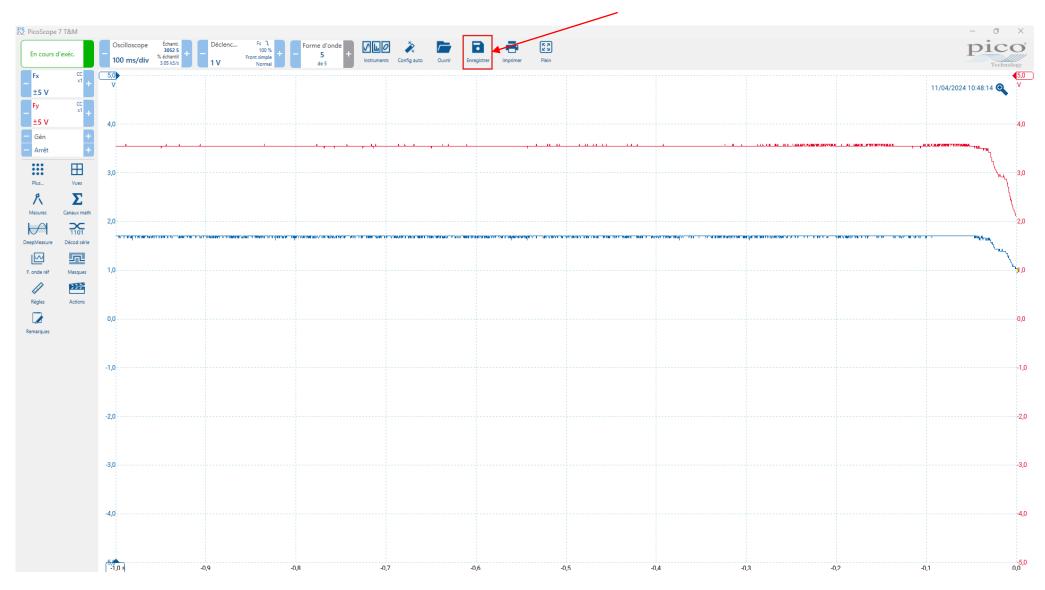
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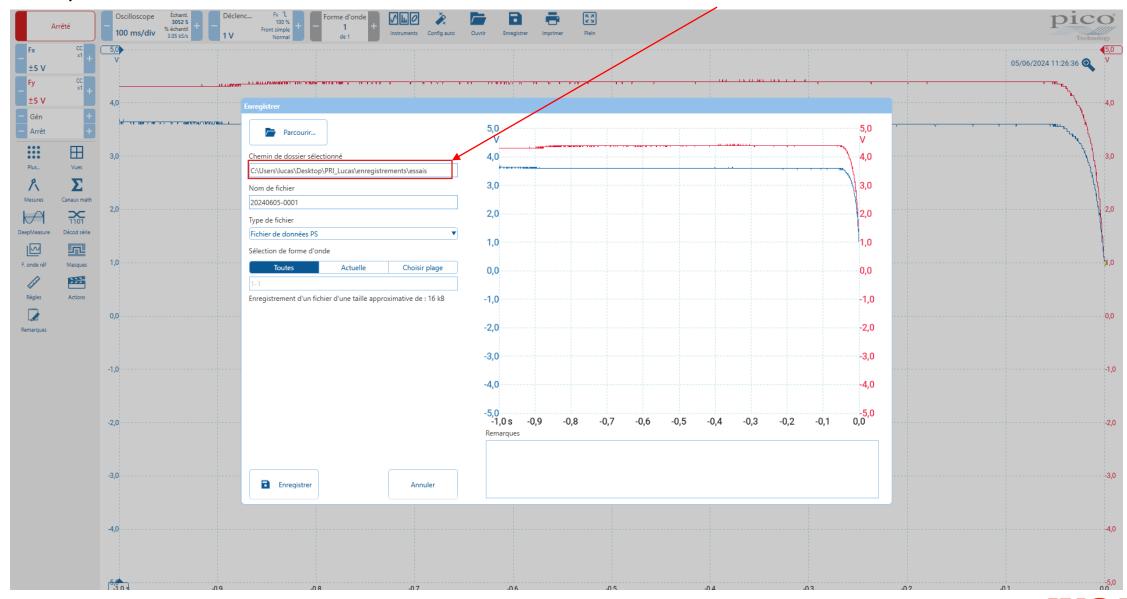
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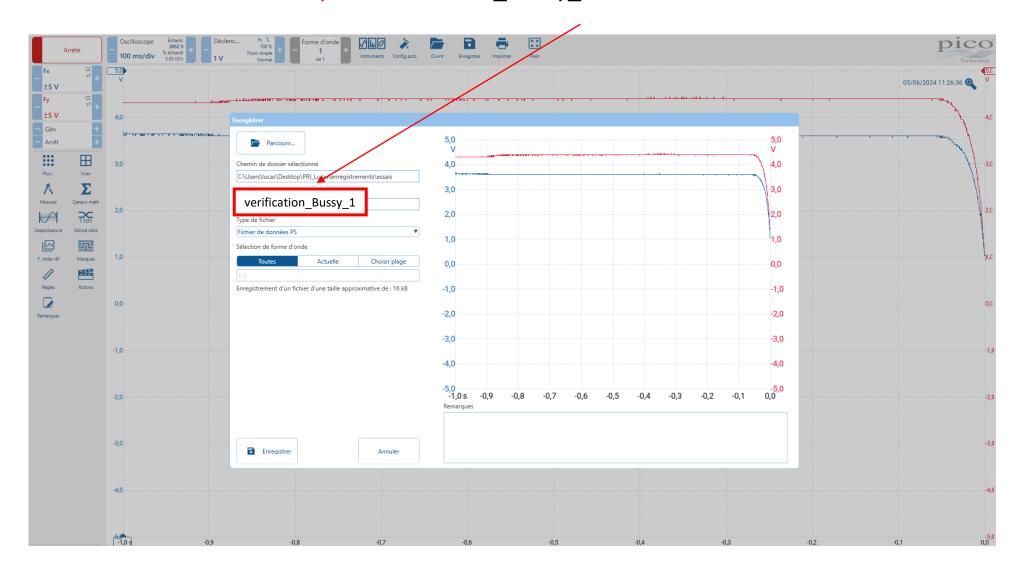
Here choose path : ['C:\Users\',user,'\Desktop\PRI_Lucas\enregistrements\']



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Here file name : {type}_{sample name}_{sample index}

Example : verification_Bussy_1



Types:

- verification
- calibration

Sample name : "Only calibration" names ! :

- perlite
- martensite
- WEL

Don't use these names on verification!

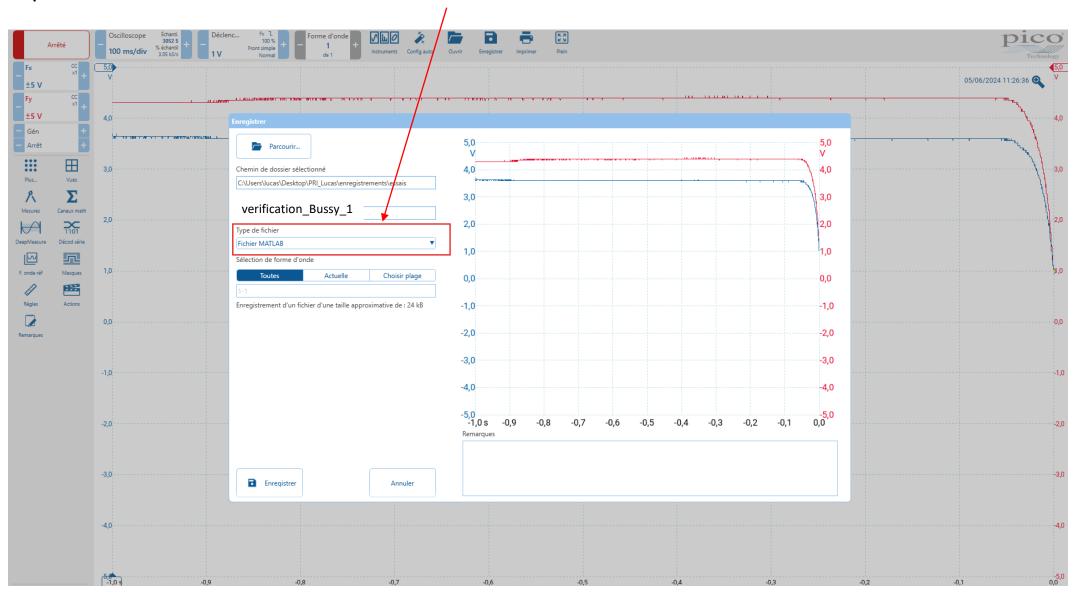
Sample index:

- •
- 2
- 3
- 4

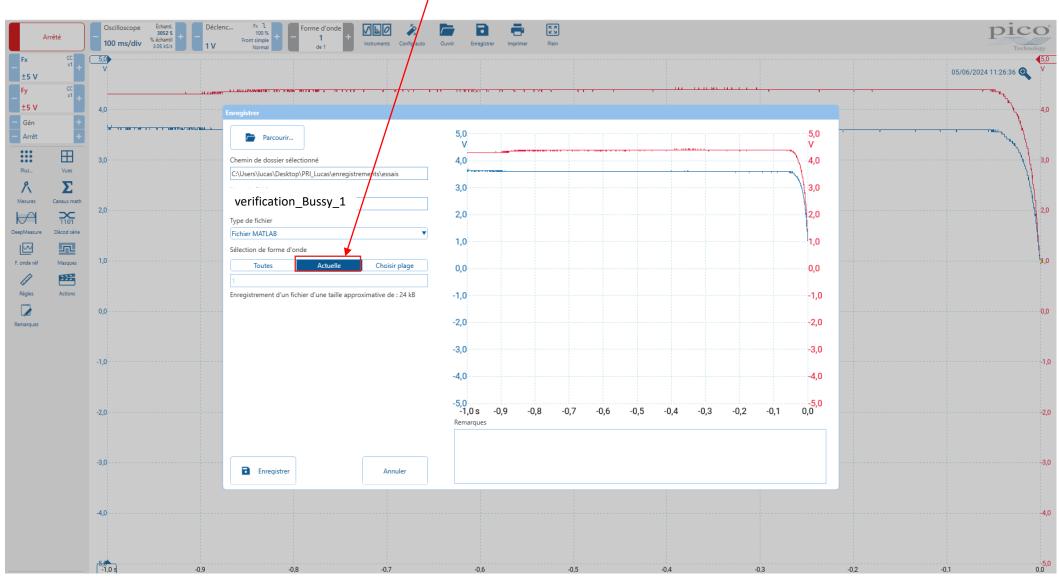


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Here select MATLAB (.mat)



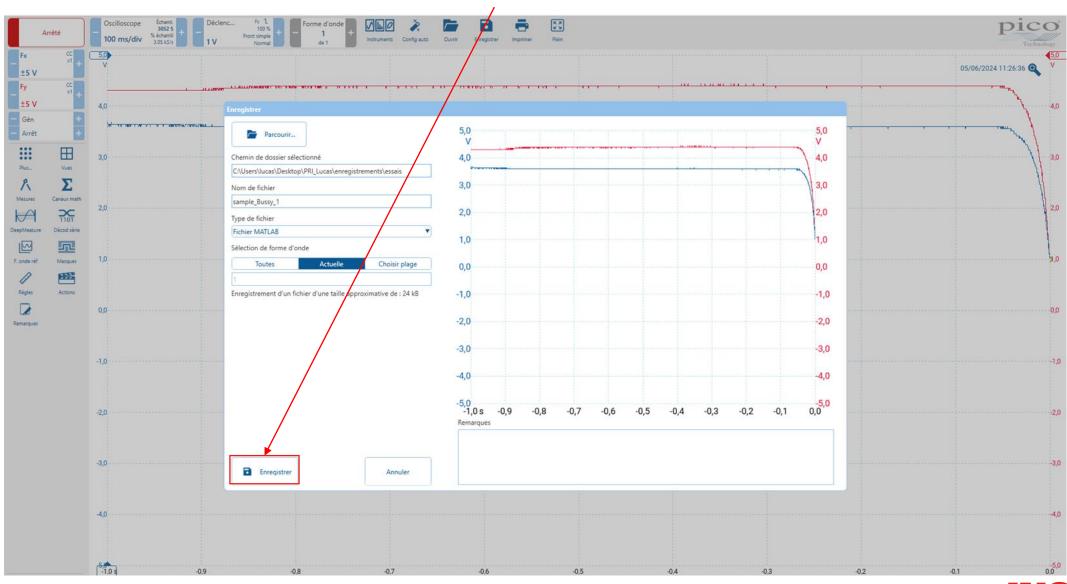
Here select « actuelle »





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