

# LIVE CALIBRATION





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# LIVE CALIBRATION

You can turn on the "Live Calibration" function in the maintenance. This enables the real-time correction of scaling factors of the demodulation circle so that the signal stays on the demodulation signal and load-indentation curves do not look wavy at large cantilever bending. This function is required when the wavelength scan is not horizontal but on an angle, such as in Figure 1.

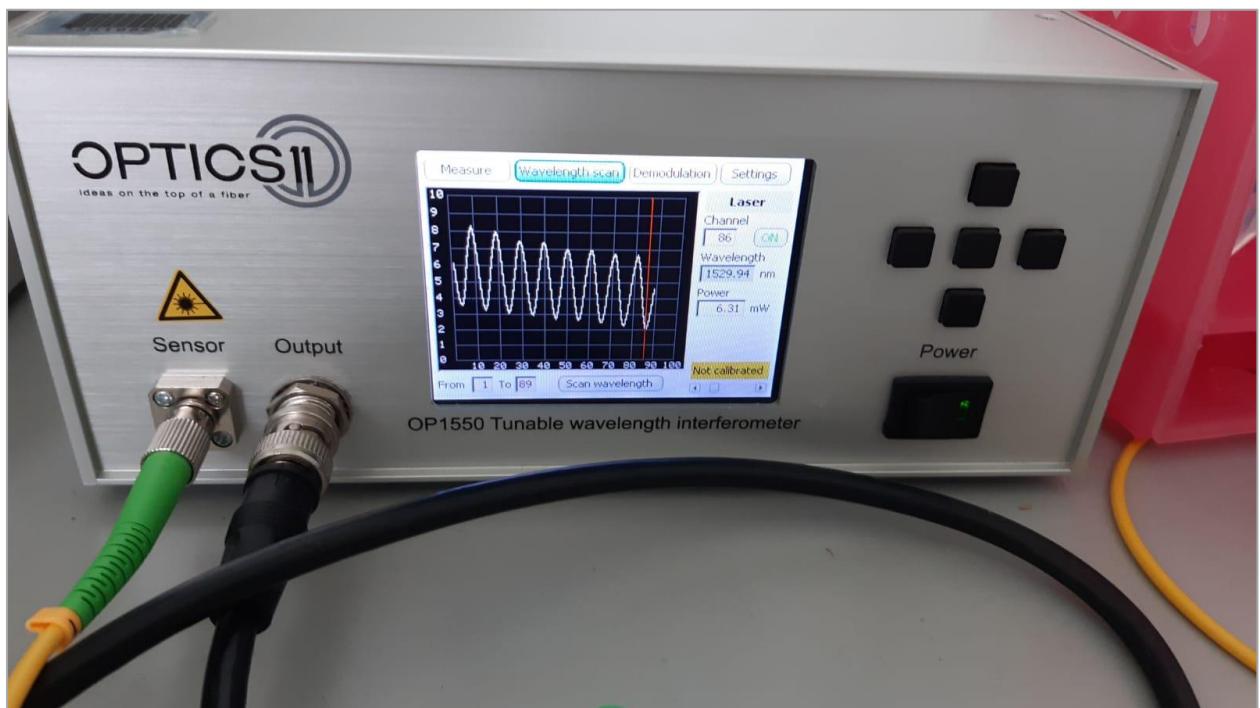


Figure 1: Wavelength scan.

"Live calibration" should be enabled before starting the calibration procedure. Furthermore, calibration should be done to no more than 3um piezo displacement (you can change this value in Options).

Do not use "Live Calibration" if the samples are sticky as it will cause a reset of scaling factors to over-bended position. In general, better use a stiffer probe for very sticky samples or contact [support@optics11.com](mailto:support@optics11.com) for ideas on how to decrease the stickiness.

Please, see the videos on how the demodulation signal looks with and without "Live Calibration":

<https://youtu.be/1VL6cXOqMsE> - "Live Calibration" on.

<https://youtu.be/IPfTWs02yQ8> - "Live Calibration" off.

