

# NANOLOCKIN IMPROVED ITS NANO ANALYTICS DEVICE CALORSITO



## NANOLOCKIN HAS IMPROVED THE CALORSITO ANALYTICAL DEVICE TO MEASURE NANOPARTICLES

NanoLockin has developed an analytical device which can measure nanoparticles by their heating due to light absorption using lock-in imaging. The uniqueness lies in the simplicity of the measurement combined with a fast readout and no need for complex sample preparation, resulting in significant time and cost savings for nanoparticle analysis.

The Calorsito VIS-NIR operates at a wavelength range between 400 and 950 nm, whereby the wavelength can be freely selected by the user. A second instrument, the Calorsito UV, operates at a fixed UV wavelength of 320 nm. This allows the analysis of different types of materials

The Calorsito has recently received several upgrades and improvements. The software now includes an option for direct data treatment and a patent-pending method to improve the accuracy of the data has been implemented. To broaden the possible applications for the method, an instrument that allows the measurement of solid, non-transparent samples was developed.

The business model is the sale of the analytical devices to academic and industrial research laboratories as well as analytics laboratories. NanoLockin is also offering the measurements as a service.

### ABOUT NANOLOCKIN

NanoLockin is developing, producing and selling instruments for nanoparticle analysis. The company was founded as spin-off of the Adolphe-Merke-Institut in Fribourg and the ZHAW school of Engineering. Managing director is the co-founder Dr. Christoph Geers and responsible for financing and cooperation issues is the co-founder Prof. Dr. Gunter Festel.

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