## EUROINVENT 2018

MD.18.	
Title	The device and method for measuring the parameters of nanosensors based on semiconductor nanostructured oxides in the range of microwatts
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Patent no.	Application S 2017 0139, 2017.12.27
Description EN	The device for measuring the resistance of nanostructure of semiconductor oxide sensors includes an adjustable reference voltage source connected to a series-connected nanostructure $R_x$ and a reference resistance $R_0$ , the voltage drop of which is applied to the inputs of the microprocessor's analog-to-digital converters (ADC). Microprocessor controls the voltage of the regulated reference voltage source such that the electrical power dissipated on the nanostructure is not more of the given permissible value. The calculated resistance value of the nanostructure is displayed on a four- digit seven-segment display.

Class no. 1.