

Data logging in the science laboratory or anywhere else

INTERNATIONAL CONFERENCE ON TEACHING PHYSICS INNOVATIVELY

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Why do we buy a data logger?

In the students' point of view

Interesting, quick, easy, clear

In the school's or the conservator's point of view

Financial frames, versatility

In the teacher's point of view

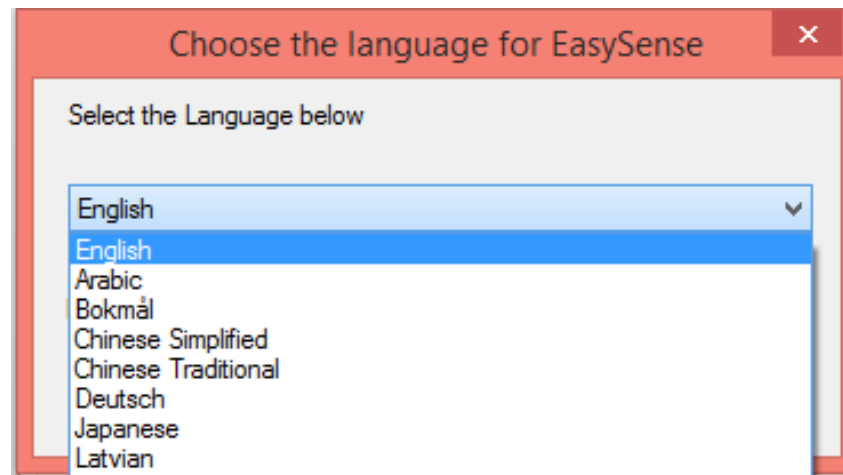
To make our life easier



Only some icons - simplicity
Wide range of mathematical analysis



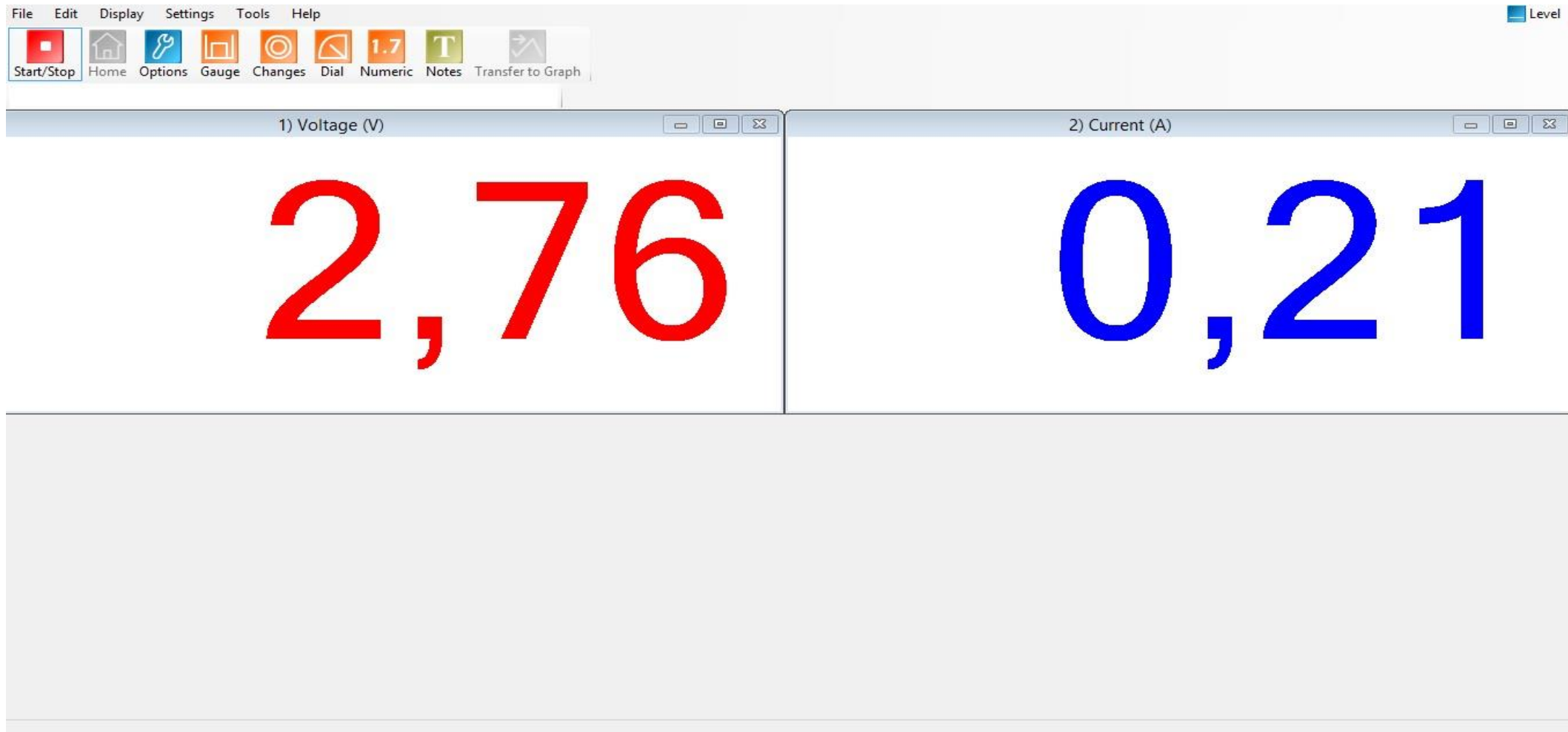
Possibility to choose a language



Portability – for out of school measurements



Quick measuring, with no setup or calibration
For student experiments and demonstrations too



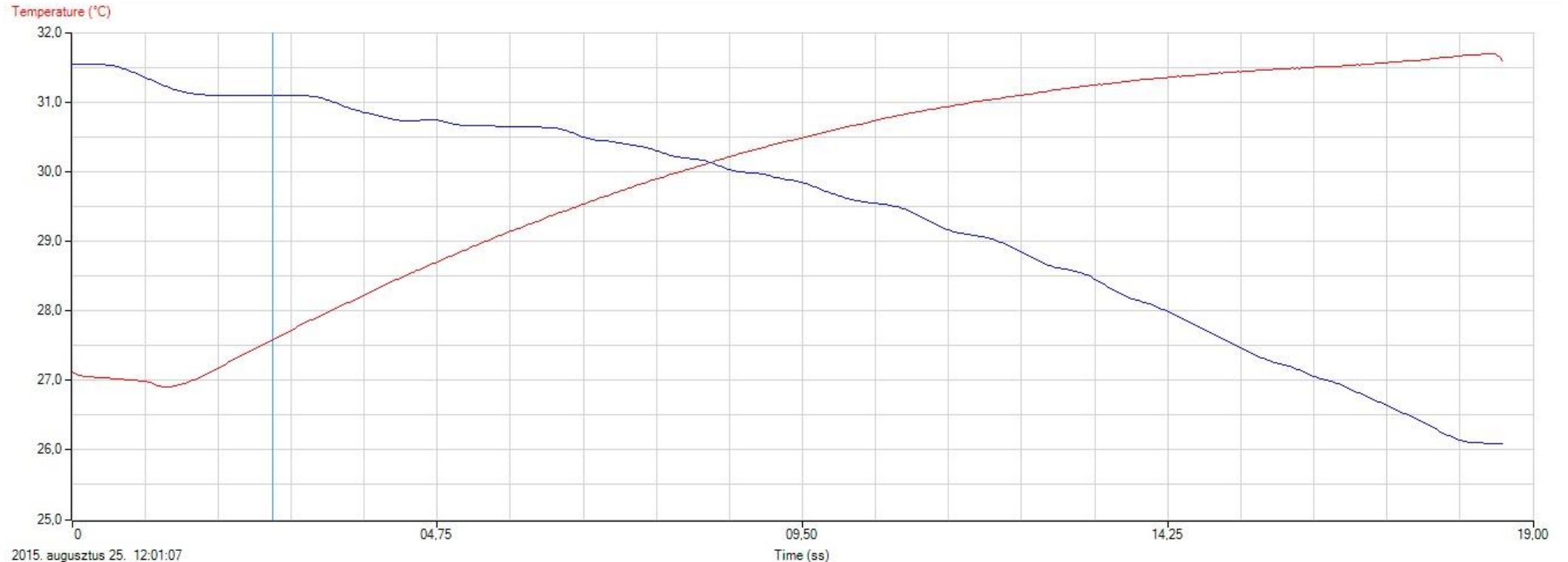
Discrete and continuous graphs

File Edit Display Settings Analysis Tools Help Level

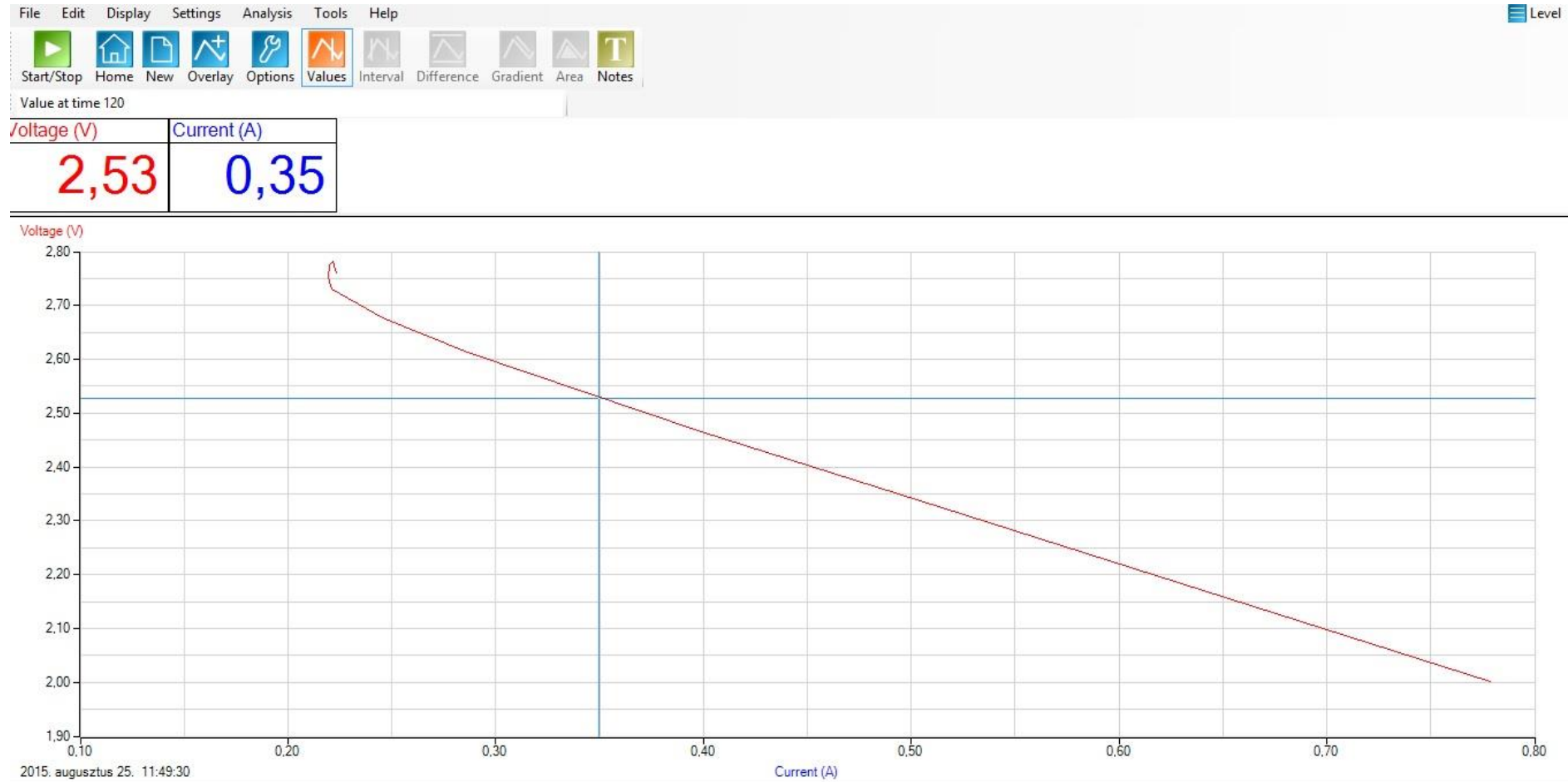
Start/Stop Home New Overlay Options Values Interval Difference Gradient Area Notes

Value at time 02,610

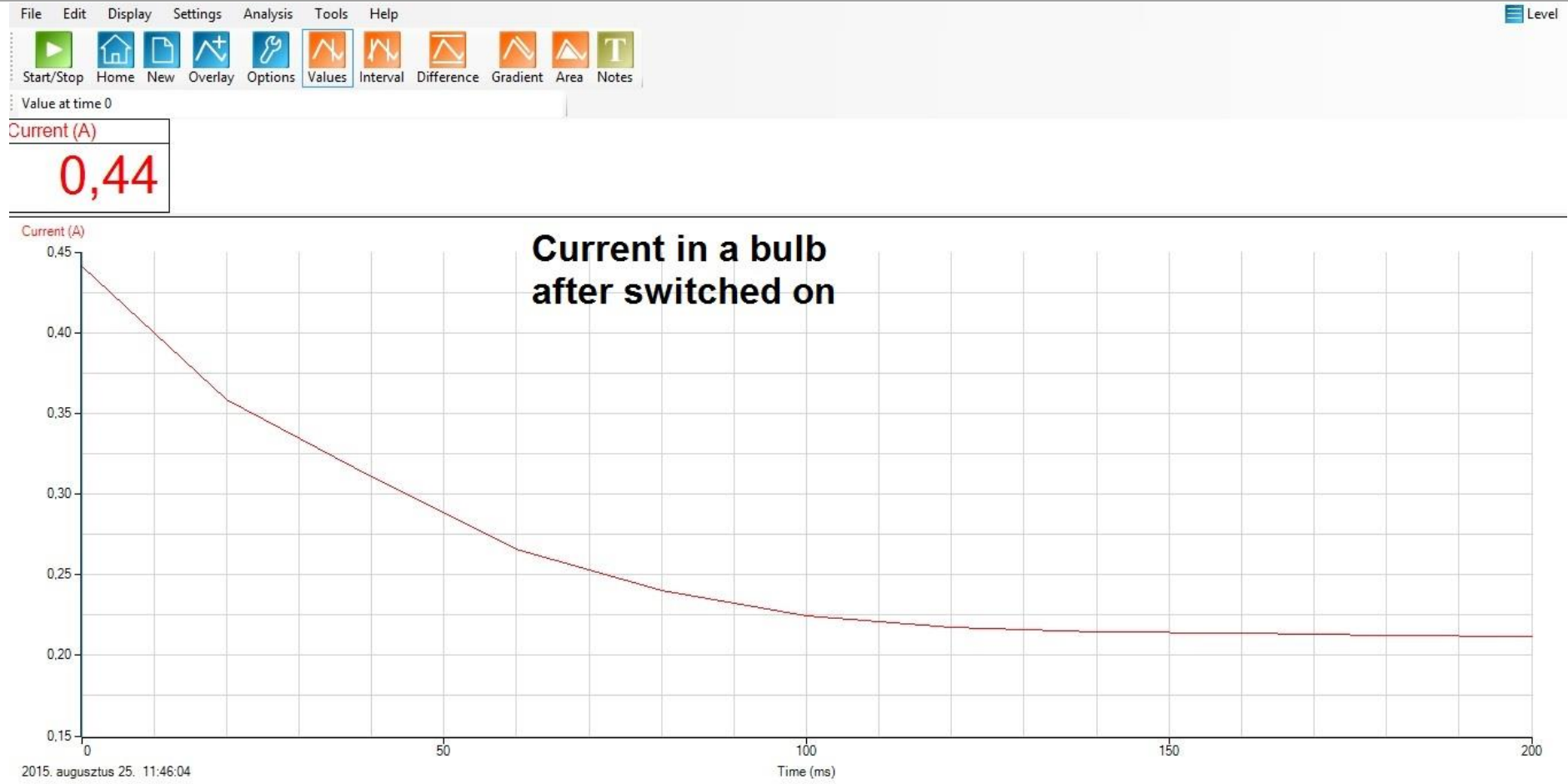
emperature (°C)	Temperature (°C)
27,6	27,2



More variables measured simultaneously in the function of time, or in each other



Observing long and quick processes – even 50.000 sample per second



Vital parameters of data loggers, which must be considered in case of shopping

Financial frames- interface, softwares, updates

Language

Multifarious- number of available sensors, experiment types

Compatibility

Calibration, setup

What else?

Easy to use

Quick and spectacular

Slow and quick processes

Maths practice

Resistant

Trip experiments

Demonstration

Portable data, homework possibilities

Thank you!

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