

The background of the slide features a stylized, grayscale circuit board pattern. It consists of various geometric shapes, lines, and circular nodes, resembling a printed circuit board (PCB) layout. A prominent dark horizontal band runs across the middle of the image, serving as a background for the text.

Software for device designed to measure radiation absorption of various materials

Michał Foltys & Maciej Marcinkiewicz | Faculty of Mechatronics WUT

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Our device

- 19 different absorbers made of 3 different materials with different thickness
- Possibility of measuring background radiation
- Measuring using Geiger counter
- Possibility of setting measure time



Assumptions and aims of the project

- Testing offline operating
- Creating online control
- Creating user panel for outsourcing measurements in use for „Laboratorium On-Line”

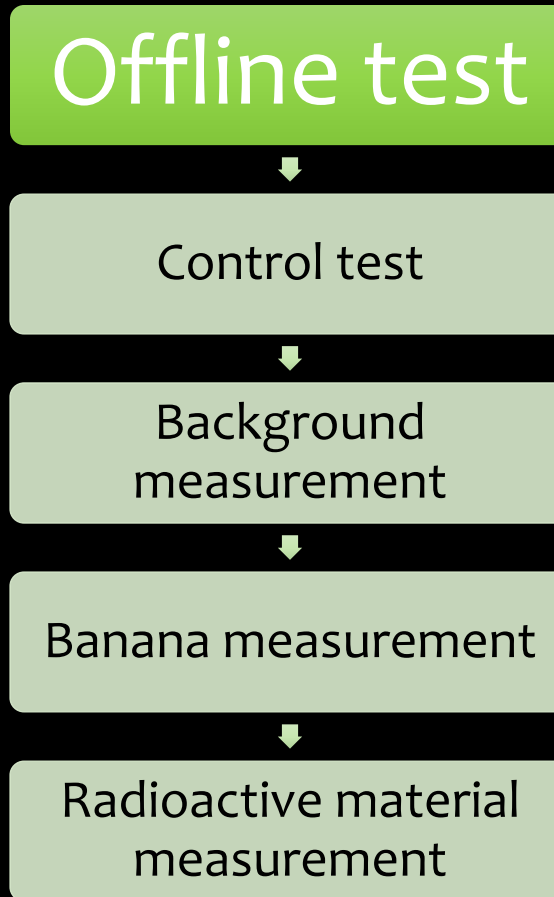


Documentation

- Control commands (UART)
- Offline manual



Test plans



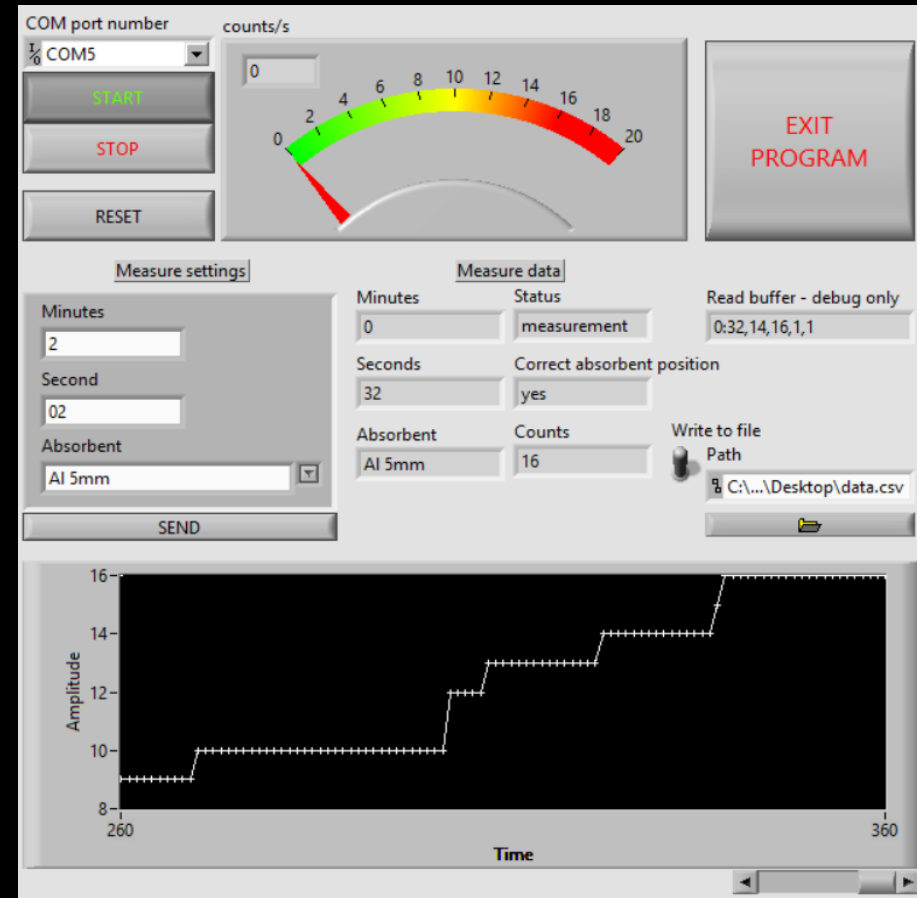
Offline control panel



Advanced user (engineering) control panel

Engineer is able to:

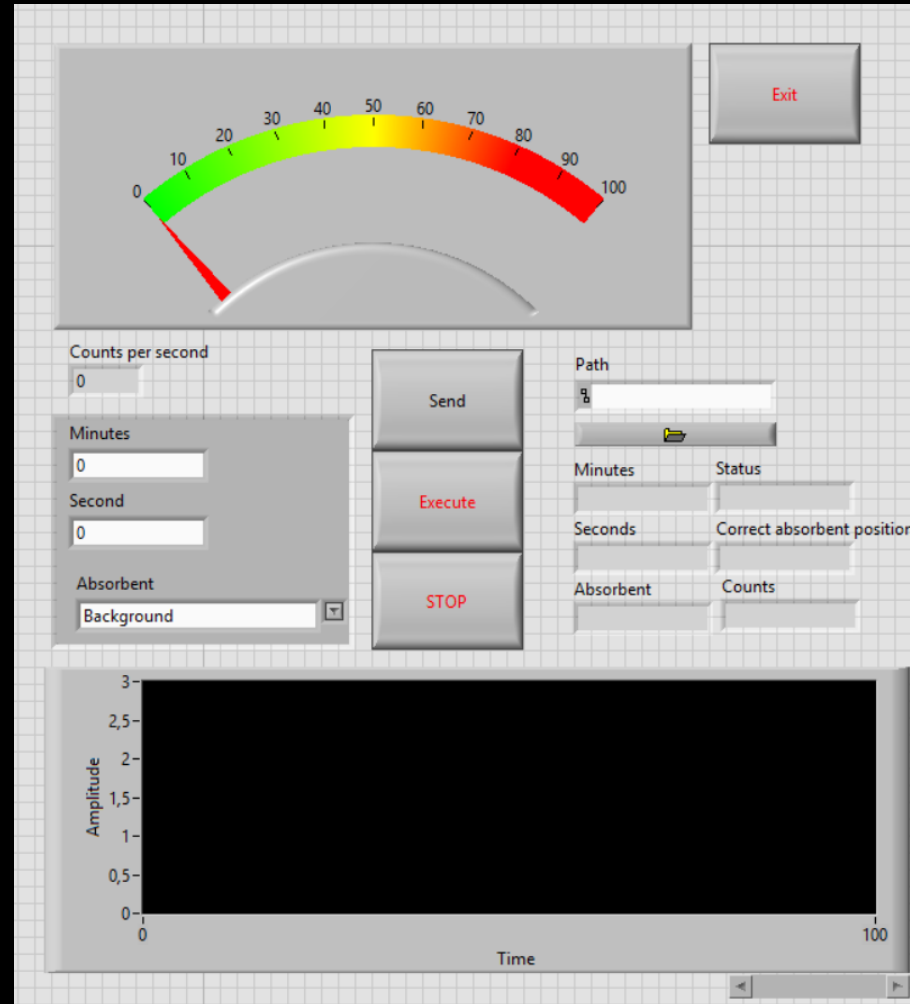
- START and STOP the measure
- RESET the device
- SEND settings to device
- RECEIVE measure data
- SAVE data to file
- Make a graph
- Push emergency stop in case of life-threatening situations



User Panel

- Queing measurements
- Stopping and skipping measurements
- Saving collected data to the file
- Camera inspection

User Panel



Thank You for Your attention!