

I. IDENTIFICATION DATA

Thesis name:	Multichannel load station controlled by LabView
Author's name:	Ondřej Pavlín
Type of thesis:	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Measurement
Thesis reviewer:	Martin Kronovetr
Reviewer's department:	Siemens s.r.o.

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>Evaluation of thesis difficulty of assignment.</i>	
Development and building of load station was quite challenging due to complexity of the task and additional requirements appeared during the development.	

Satisfaction of assignment	fulfilled
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact, or cause of each shortcoming.</i>	
All requirements were fulfilled. Load station is also ready for possible upgrade/extension in the future.	

Method of conception	correct
<i>Assess that student has chosen correct approach or solution methods.</i>	
Working and straight forward solution was chosen, and, in some areas, student came up with his own solution to deal with particular issues (e.g. temperature measurement and control).	

Technical level	A - excellent.
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
Thesis required to gain and used knowledge from lots of areas – mechanical, electrical safety, wiring, LabView programming or PCB design. Non-negligible part of the project was assembling of the complete load station requiring manual skills.	

Formal and language level, scope of thesis	B - very good.
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
There are just minor errors in the text. Thesis is well structured. Schematic of load station is shown part by part in the thesis only – it would be beneficial to create complete schematic as a separate file.	

Selection of sources, citation correctness	B - very good.
<i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.</i>	
As a source of information are mostly used datasheets and manual. These documents contain all necessary information which served for building the load station. Usage of these sources is sufficient.	

Additional commentary and evaluation
<i>Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level, and functionality of technical or software conception, publication performance, experimental dexterity etc.</i>

I also appreciate proactive communication with external suppliers and with R&D colleagues who approved particular design solution.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation. Please present apt questions which student should answer during defense.

Load station works as required and will serve in Siemens lab to achieve R&D goals. Documentation is available and additional documents will be created as specified in the conclusion of the thesis.

I evaluate handed thesis with classification grade **A - excellent**.

Date: **3.6.2024**

Signature: