



Electronics for Thermal Vacuum Chamber

Bachelor

Task Description

The UWE satellites are tested in an in-house thermal vacuum chamber during development. Therefore, the thermal vacuum chamber features liquid nitrogen cooling and an illumination unit for heating. In order to acquire valuable data, new temperature sensors are to be used in the future. During this thesis an electronic design shall be developed and realized. Focus should be on minimizing interference between the different components and the chamber.

Preliminary Knowledge

Embedded Hardware design,
C, embedded programming

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