

Wearable device requirements

Project: ****

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Preface

This document was generated with the Wearable device Specification Tool ("https://tscnlab.github.io/wearable_devices_spechelper/"), that enables a researcher to gather important requirements for a wearable device in a study, so that the device can be selected based on the requirements.

In some situations, a device might not be able to meet all the requirements, and the researcher might need to make a decision on which requirements are most important. This document is a resource to guide the decision process between researchers and manufacturers.

General information

Type(s) of study: Not specified

Description of the (main) use case:

Hardware requirements

Aspect	Requirement	Device specs
Mounting	Not specified	
Max dimensions (WxBxH)	5 x 5 x 2 cm	
Battery: Continuous runtime, based on the specified recording/sampling interval	≥2 weeks	

Data requirements

Aspect	Requirement	Device specs
Minimum recording interval	≤ 30 seconds	
Flexibility of recording interval	Not specified	

Other requirements

Aspect	Requirement	Device specs
Available budget per device	Not specified	