# Introduction

This document is part of a test case for the Trace Tool. As such, these are not real requirements, but they do resemble real requirements.

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# System Details

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# Hardware Requirements

**PUMP:HRS:100** The pump **shall** include a rechargeable Lithium Polymer Battery. **[PUMP:PRS:100]**

**PUMP:HRS:105** The pump **shall** include fuel gauge hardware for the lithium polymer battery. The battery charge shall be displayed to the user. **[PUMP:PRS:103]**

**PUMP:HRS:1000** The pump **shall** include pressure sensors for use in conjunction with the ideal gas law. The gas law **shall** be used to estimate remaining insulin volume. **[PUMP:PRS:1000]**

**PUMP:HRS:3330** The pump **shall** weight no more than 8 ounces dry. **[PUMP:PRS:3330]**

**PUMP:HRS:3340** The pump **shall** fit within a volume of 3” by 2” by 0.75”. **[PUMP:PRS:3330]**

**PUMP:HRS:3350** The pump **shall** include a full color touchscreen. **[PUMP:PRS:3350]**