test

# 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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# Software Requirements

**ABCT:srs:1** The software **shall** provide a bolus feature which generates boluses in the range of 0.01 to 25 units, which an increment of 0.01 units.

**ACE:abc:2** The software **shall** provide a programmable basal rate feature, with basal rates in the range of 0.001 to 15 units/hour in increments of 0.001 u/hr. **[abct:SRS:3]**

The software **shall** provide a programmable correction factor feature. The software shall support correction factors in the range of 1:10 to 1:600 u/mg/dL.

**ACE:abc:5** The software **shall** provide a programmable carb ratio feature. The software shall support carb ratios in the range of 1:10 to 1:600 u/g. **[ABC:PRS:1] [abct:srs:5]**

**PUMP:HRD:1000** Details regarding the pressure sensors for use in conjunction with the ideal gas law. **[PUMP:HRS:1000]**

**PUMP:hrd:3330** Details regarding the size and weight of the pump. **[PUMP:HRS:3330]**

**PUMP:HRD:3350** Details regarding the full color touchscreen. **[PUMP:HRS:3350]**