# 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

**ACE: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. **[PUMP:PRS:1] [PUMP:TBV:1]**

**ACE:SRS: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. **[PUMP:PRS:1]**

**ACE:SRS:5** 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. **[PUMP:PRS:5]**

**ACE:SRS:6** 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. **[PUMP:PRS:6]**

**ACE:SRS:10** The software **shall** provide a means for the user to select between English, German, French, Spanish, and Czech. **[PUMP:PRS:10]**

**ACE:SRS:100** The GUI **shall** indicate percent battery charge. The charge shall be displayed in increments of 1%.**[PUMP:PRS:105]**

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| 1 | **ACE:SRS:110** The GUI shall indicate the available units of insulin. **[PUMP:PRS:1000]** |
| 2 | **ACE:SRS:120** The GUI shall indicate time of day in AM/PM format. Supporting time zones is not required and even undesirable because the body maintains a circadian rhythm. **[PUMP:DER:1]** |