

MSD II Testing – User Interface

Team: P18347: Stroller with HVAC capability

Responsible Engineer: Team

Purpose:

The purpose of this test is to ensure the user interface communicates correctly with the system and that the interface is intuitive and user friendly.

Engineering Requirement:

Requirement #	Importance	Metric	Unit	Ideal Value	Marginal Value
S6.c/S6.d	1/9	Number of user interface buttons/ Number of times user is uncertain of product operation	N/A	1 button/0 times of uncertainty	1-5 buttons/0-2 times of uncertainty

Materials:

- 1.) Stroller with heated seat
- 2.) Multiple test subjects

Test Procedure:

- 1.) Turn on system and control using user interface
- 2.) Change temperatures and turn on and off the system as a team
- 3.) Gather various non-engineer and engineer test subjects
- 4.) Have test subjects control system using user interface without any direction given from team

Pass/Fail Criteria:

Pass	Fail
Operation uncertainty \leq 0-2 times per person	Operation uncertainty $>$ 0-2 times per person

Completion Date: