

DSG-SoLID R&D Meeting Minutes

Date: October 7, 2022

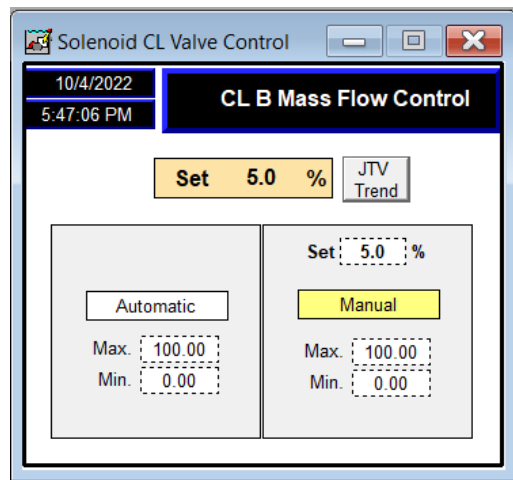
Time: 11:00 – 12:00

Attendees: Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, Tyler Lemon, and Marc McMullen

1. HMI screens development

Pablo Campero

1. Modified text on *Solenoid Valve Setup* screen to clearly describe valve settings
2. Added to *Solenoid Cooldown* screen numeric input for set point for heat exchanger liquid nitrogen valve
3. Added indicators and navigation features to access current leads mass flow controller screens from *Solenoid CCR Expert* HMI screen
4. Completed *Solenoid Current Lead Valve Page* HMI screen
 - Controls and monitors the set point of mass flow controllers used for current lead A and current lead B in manual or automatic mode
 - Same screen is used for each current lead mass flow controller
 - Tested screen functionality



Solenoid Current Lead Valve Page HMI screen

5. Completed *Solenoid Current Lead Valve Trend* HMI screen
 - Shows graph of set point for mass flow aperture over time
 - Same screen is used for each current lead valve set point

2. Power supply communication test

Pablo Campero

1. Started testing communications between laptop and power supply
 - During initial setup of the power supply, the communication card was not recognized by the power supply main frame
 - Swapped communication card between power supply 1 and power supply 2 (not used)
2. Referring to manual for more information

3. Electrical Drawings

Mary Ann Antonioli and Pablo Campero

1. Completed modifications and posted drawings
 - A00000-16-03-0212 – PT-102 Temperature Sensor Wiring Diagram
 - A00000-16-03-0213 – Diode Temperature Sensor Wiring Diagram
 - A00000-16-03-0406 – CCR Temperature Sensor Cable Diagram
 - A00000-16-03-0241 – Load Cells Measurement Wiring Diagram
 - A00000-16-03-0404 – Load Cells Measurement Cable Diagram
 - A00000-16-03-0250 – Voltage taps Wiring Diagram
 - A00000-16-03-0401 – Voltage tap Cable Diagram
2. Working on modifications to six more drawings

4. Voltage taps cable

DSG

1. DSG members agreed to meet on October 10, 2022 to check connection points of the current leads voltage taps
2. Cable length needs to be defined