

Exercise F1: Soldering and continuity testing

Tues., 13:05 - 16:50 (Time for two to three exercises)

Instructors: Matt Conley and Allan Knopf

Logistics for Participants

- Teams of 1 to 3 people.
- This activity will be conducted inside the Ag Engineering building.
- This exercise is in parallel with Exercise D (sensor position) and E (data logging).

Objectives

- I. Introduce very basic procedures for connecting sensors and for diagnosing and repairing instrument problems.
 - A. How to solder
 1. Two wires
 2. A wire to a connector
 - B. Testing for continuity or correct voltage

Activity 1: Soldering

- I. Introduction
 - A.
- II. Soldering two wires
- III. Soldering a wire to a connector

Activity 2: Continuity testing

Logistics for lecturers

1. Soldering stations
2. Solder
3. Wire
4. Multi-meter ...