Name _____ Bench _____ Date _____

LESSON 2 · DATA COLLECTION

Build a test station with Sequences

Turn the box into a repeatable test: set points in a sequence, every reading collected into a report.

YOU NEED A device with a sensor input (here a Pt100 controller), a box and the Companion.

STEPS

1. **PLAN**
   In Sequences and reports, make a sequence: one step per check, each with a value, a label and what to check.
2. **RUN**
   Connect the box to the sensor input. Run the sequence with Unit under test and Operator filled in. Type each reading; mark Pass, Fail or Skip.
3. **COLLECT**
   Save PDF or Save CSV. Every run is kept in Reports, and every value sent is in the day's CSV log.

Example sequence: Pt100, IEC 60751

°C	Ω	Device reads
0	100.00	
50	119.40	
100	138.51	
150	157.33	
200	175.86	

Values are calculated from the standard curve. They aren't an accuracy spec.

GOOD TO KNOW

- A step can set a resistance or a sensor value.
- Copy the .ohmseq file to each bench's Documents/ohmSTAR Companion/Sequences folder, and every bench runs the same test.
- Sequences run on the box connected on the Device page.
- On a 2-wire input, 0.39 Ω of lead reads as about 1 °C. Keep leads short or use 3-wire.

YOUR NOTES AND PLOT

For the teacher. Each run's CSV opens in a spreadsheet: put the benches side by side to compare.