Calibrate before use or when swapping out load cell.

Instron Training

Check w/ Cary check CPU on 3369

Event Log
Test Parameters
can have 4
I can add
balance + choose
load or strain

Console Settings (live displays) soft keys
don’t apply to us

> frame - below crosshead
change return rate

Frame Settings
reset emergency stop switch
jog control

Crosshead
Transducer settings

Extensometer safety limits

Load Cell
Calibrate
use a 10 lb weight to test
Gain control
Limits
Check drift check

Extensometer
Calibrate
squeeze buttons on extensometer +
click "calibrate", hold until calibrated
can make #1's bigger by dragging

Administrator
Security INSTRON
INSTRON

Preferences
specify a company logo
email

Configuration
MAC address on back of frame

Options
can show all calculations in all test types
no auto measurement
no heat chamber
transducers ➞ can name load cells so that a method will only run on the correct load cell

Method
Existing
Includes templates

Creating (can do Relax/Creepe)
Tension
General
Specimen (can choose previous dim.)
Sample is the group of specimens
Notes names can be edited
Number inputs can edit + require inputs + can be used in calcs, up to 50 of them
text inputs same
Specimen Properties

Choice Inputs for users

- terminology for results “good”
- “slipped”

- can link to input values so can run diff material at diff speeds

Measurements

- Physical Measurements

Calculations (pt in data where you want to know something
result is what you want to know @ that pt)

Modulus — can specify or choose “automatic”

Test Control

- Start
- Strain
- Pre-Test preload
- Test

- 40% drop in load over 100 ms is considered a break

Data need 700 - 1000 data pts to get good info
Criteria 1 - change frequency of data pts

Console

Live displays
Shift keys - reverse direction of crosshead
Workspace
Operator inputs

Graph 1
Type: can show up to 25 curves on one plot
- enable data point selector
- show avg. curve

Exports
You'll find Bluehill data, method, report, V export results
then .plt, export raw data
+ .csv

Prompted Test
Yellow is average of curves

F1 help
Load threshold "load drops to" value

Compression + Flex
automatically changes +ve -ve sign

How do you release tension when done?

What is the x-tension meter limit?

Is there a way to test multiple loads in the same method w/o changing the method?