

Quick start on Instrument

Check for water flow

LASERCOMP FOX

- Select Units
- 1. English
- 2. S.I.

Choose units: For SI the results will be display in $\text{mW m}^{-2} \text{K}^{-1}$
For English in $10^{-3} \times \text{Btu in hr}^{-1} \text{ft}^2 0^\circ\text{F}^{-1}$

LASERCOMP FOX

- 1. Open Stack
- Remove Sample and
- 2. Calibrate Delta X

Clean the surfaces of the plates and press 2 to calibrate Delta X.

Insert the sample

Choose NIST 1450b calibration.

LASERCOMP FOX

- SRM Type Select
- 1.NIST 1450b
- 2.User Type

SRM (1450b or User)

- Select Run Mode
- 1.Test
- 2 Calibration

Press "1" to start "TEST"

Maintain Temp between tests?

- 1.Yes
- 2.No

Press "2" NOT to maintain temperature between tests.

Enter Test Setpoints:

- Up.Plate=... Lo.Plate=...
- Up.Plate=... Lo.Plate=...

Enter test setpoints. For negative temperatures press "0" instead of minus.
To finish the set points entry press ENT twice. The top plate should be the cold plate.

Typical temperature difference is 25 °C.

Insert Sample and Select

- 1.Auto Thickness
- 2.User Entered

Press "1" for Auto thickness for rigid samples.

Press "2" for compressible samples, and enter its thickness on the next screen.

Enter sample ID (up to 4 digits) and

Press ENTER to start the test

TEST RUN SCREEN

Temperature of the center of upper plate

Temperature of the center of lower plate

Heat flow of upper plate

Heat flow of lower plate

Current set point number

Block counter. Starts at 511 and end at 0.

ID

U=...

QU=...

Test...of...

L=...

QL=...

511

Total # of set points

Block #
of current set point

Equilibrium state: No equilibrium met-blank space

\$ Temp. equilibrium (T.E) met

* Semi. equilibrium (S.E) met

% Percent equilibrium (P.E) met