### MTS Displacement Gage Model: 632.06H-30 OPT 006 Serial Number: 10528320B

Location of Machine: Composites Lab, RFM 1218

Location of SOP and Machine Operating & Safety Manual: Composites Lab website under resources; Composites Lab TRACS site.

### Emergency Contact:

- Call 911
- Call EHS & Risk Management at 512-245-3616
- Call Head Lab Technician, Dr. Ray Cook (office 512-245-2050)
- Call Dr. Jitendra S Tate (office 512-245-4872)

#### Before using this machine:

- You must have permission from Dr. Tate.
- You must have received formal training from technician or, trained research student (designated by Dr. Tate) related to machine safety and operation.
- You must read and understand the **Biaxial Extensometer and MTS SOP**.
- You must use this machine under direct supervision of Dr. Tate or, Dr. Cook or, trained research student (designated by Dr. Tate).
- You must have signed "Lab Rules" document with Dr. Tate. This document must be signed every semester fall, spring, and summer (as applicable).
- If you do NOT follow above instructions you will be held responsible for your own safety and damages.

#### Safety Precautions:

Protective Equipment: Prior to performing this procedure, the following personal protective equipment must be obtained and ready for use: **Safety Goggles** 

#### Important Safeguards:

• Make sure that the loads used do not break the specimen, or else the biaxial extensometer may fall off and break upon hitting the machine or the floor!

#### **Specifications:**

Refer to MTS SOP.



Displacement Gage located either on the MTS or in table cabinet labeled "MTS GRIPS, EXTENSOMETER"

# **General Information**

Displacement gage should be used in flexural testing.

# Specifications:

Refer to MTS SOP



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Connect the displacement gage to the cord labeled as 'transverse disp. gauge.'



This is the cord that does **not** have a transducer ID module attached to it.

To double check that the Displacement Gage corresponds to the software, click the 'Display' tab at the top of the screen and select 'Station Setup' in the dropdown menu.

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Continue the setup procedure as norma until the specimen is mounted on the M machine.

raised and out of the way.

Click on and check the 'Exclusive Contro box on the Station Manager home scree

Note that this will have to be unchecked before starting the test.

Reset the Interlock

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Load flexure fixture and specimen as usual.



Place the sensor head of the displacement gage directly under the middle of the specimen, so it is just barely toughing it. Make sure to line it up with the top loading nose on the flexure fixture.



If the displacement gage is not correctly lined up with the specimen, adjust the attachment.



