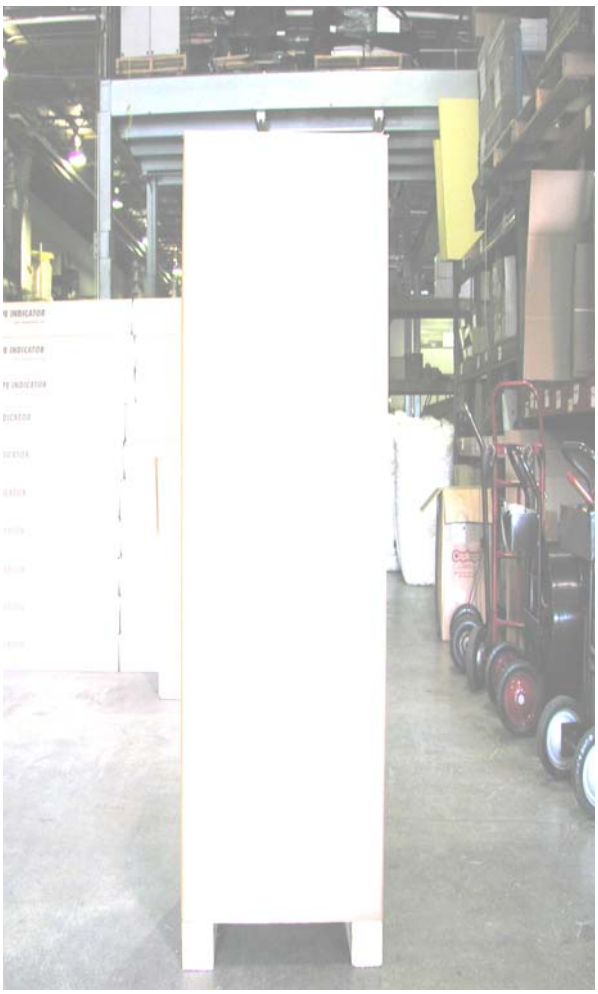
Unpack S-611

1. **Cut straps and remove outer cardboard protective cover**
2. **Remove S-611 from pallet and place equipment where it is to be located**



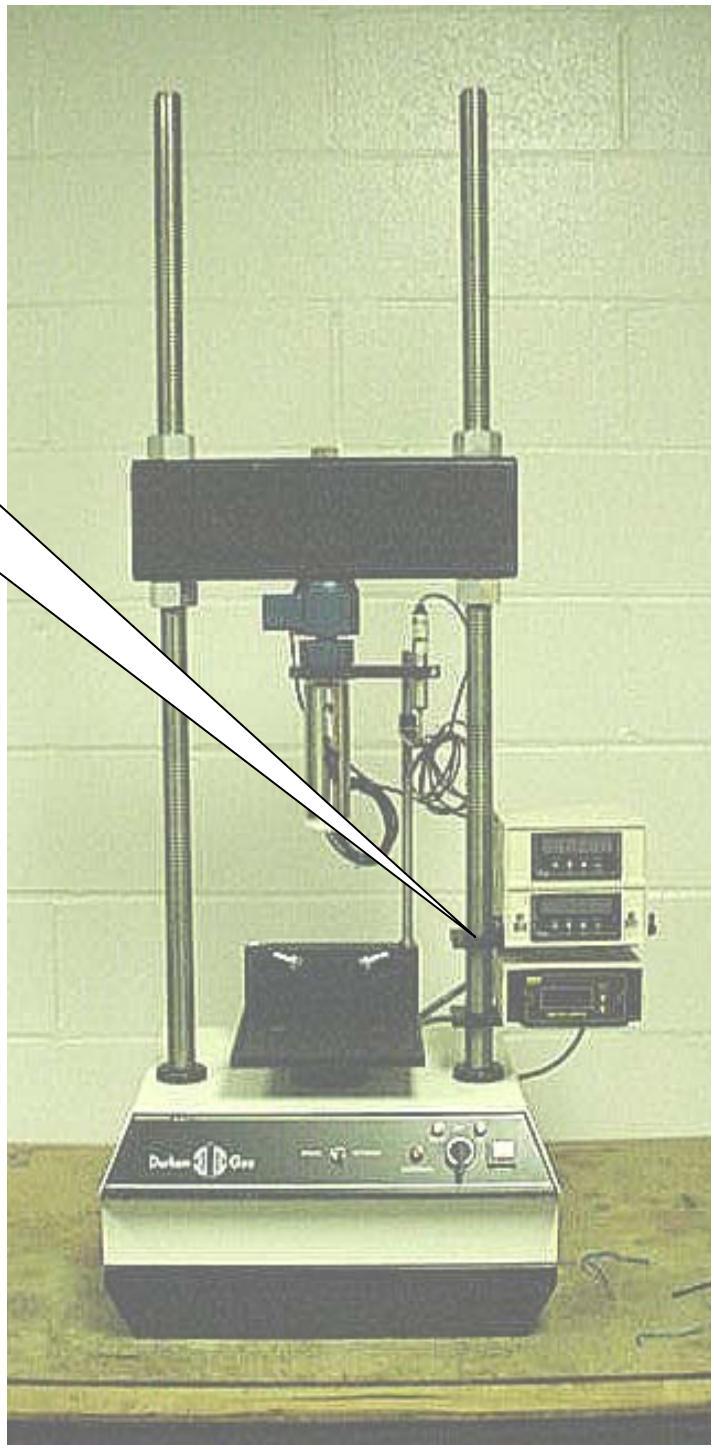
Remove S-611 from pallet and place the equipment at a desired location

The Controller and Meters
have been moved to allow
for shipping.

•Using a 3/16 Allen wrench, loosen the screw on the mounting bracket and rotate both meter and controller to desired position

•Next slide will show proper configuration of meters and controller

Loosen Allen head screw and rotate controller and meters as shown

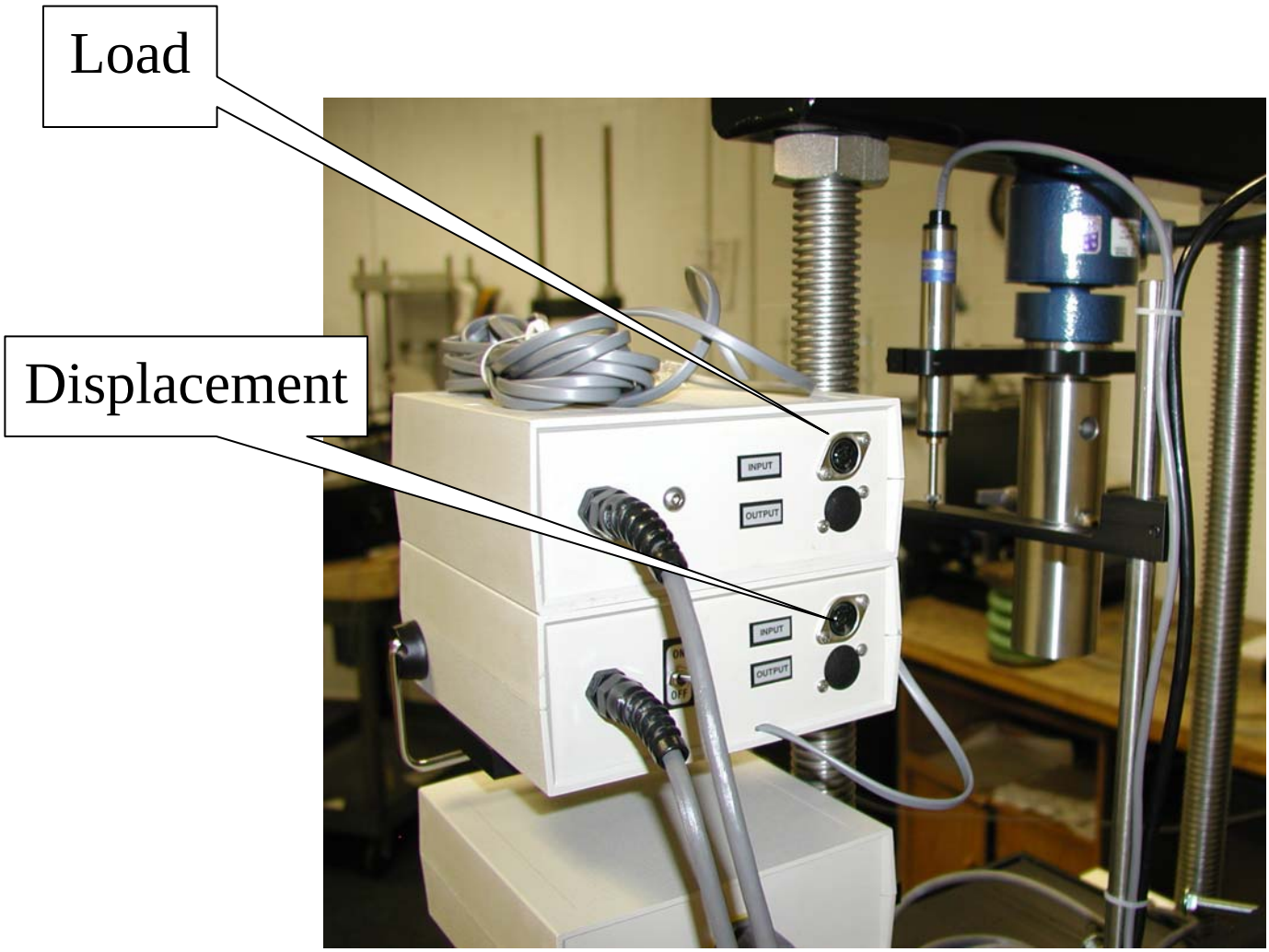


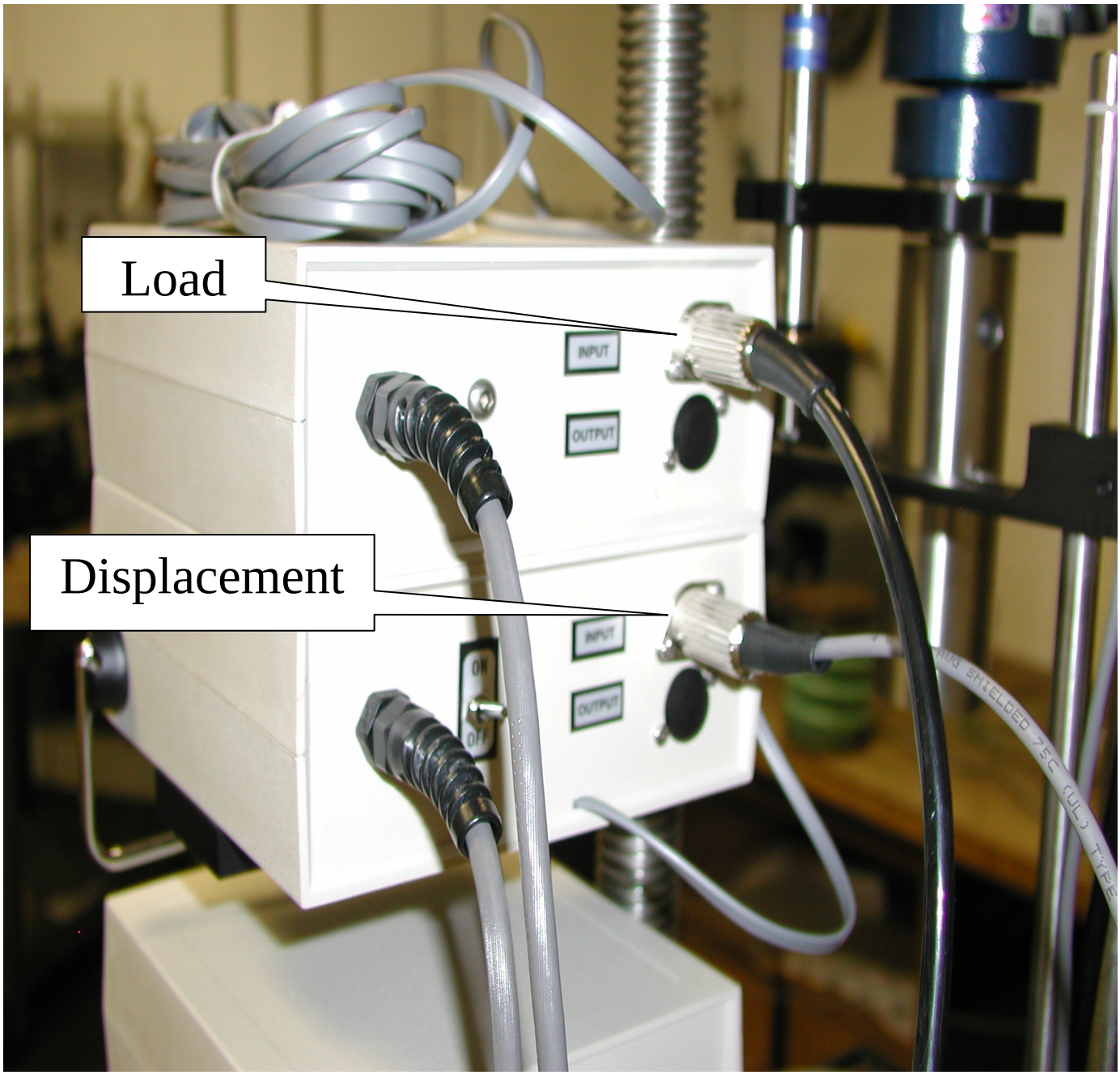

Durham Geo
MICRO-DRIVE


MICRO-DRIVE

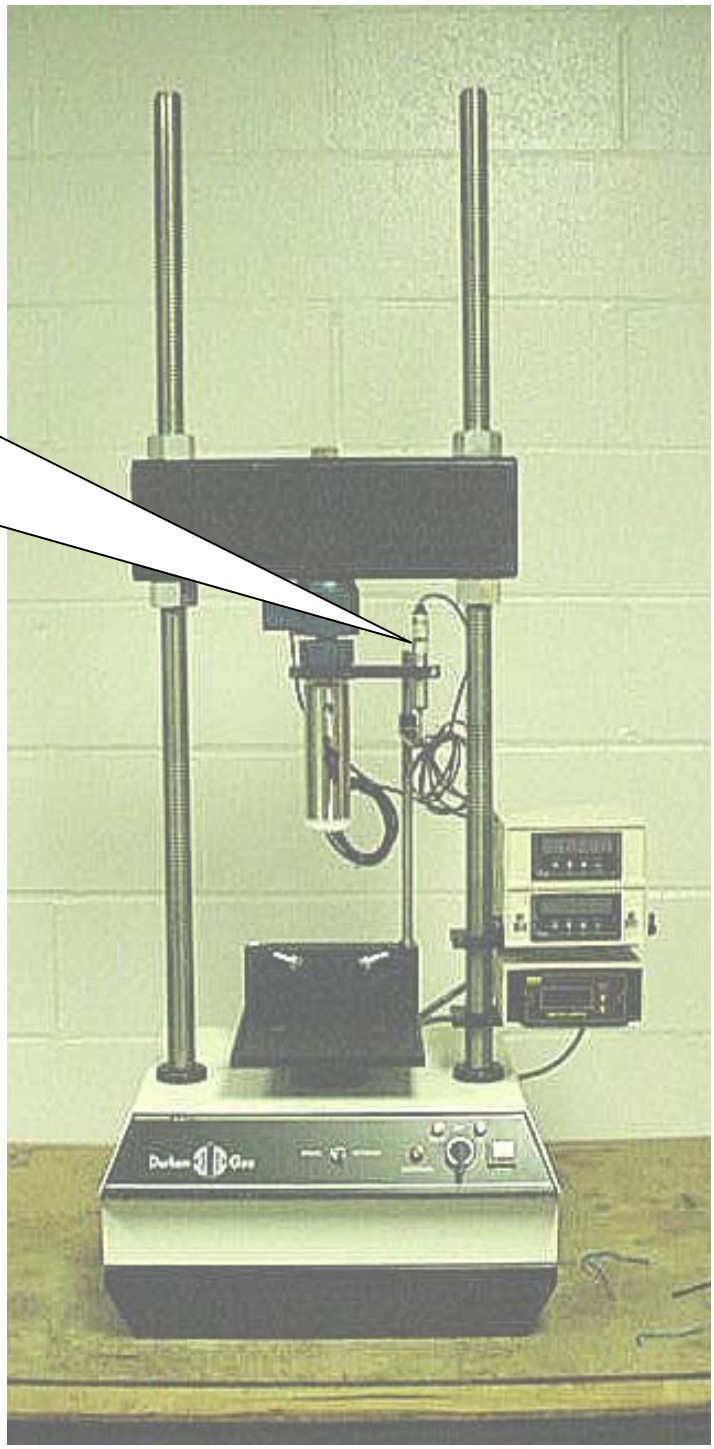
Next , hook up the Load cell and Displacement transducer.

Connect the input cords to the back of each meter using the following diagram.

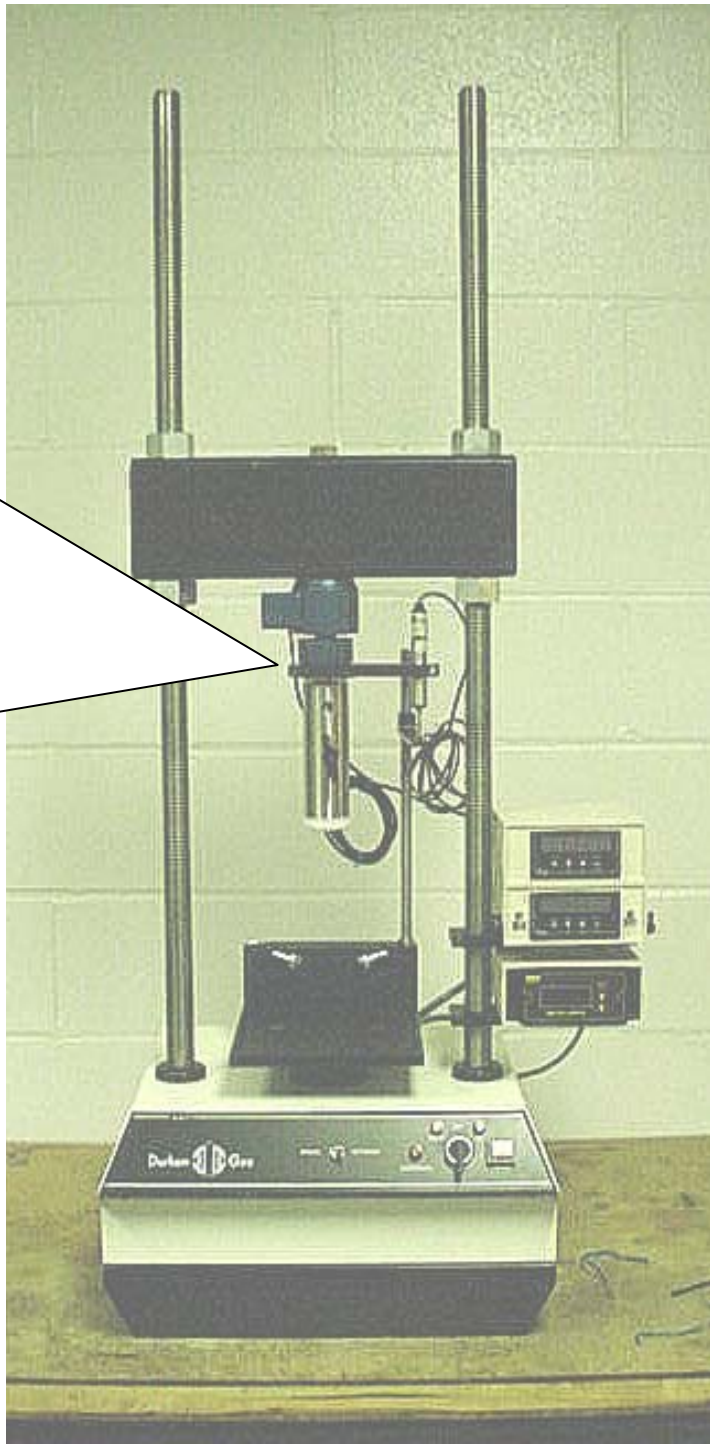

Load
Displacement
INPUT
OUTPUT
INPUT
OUTPUT

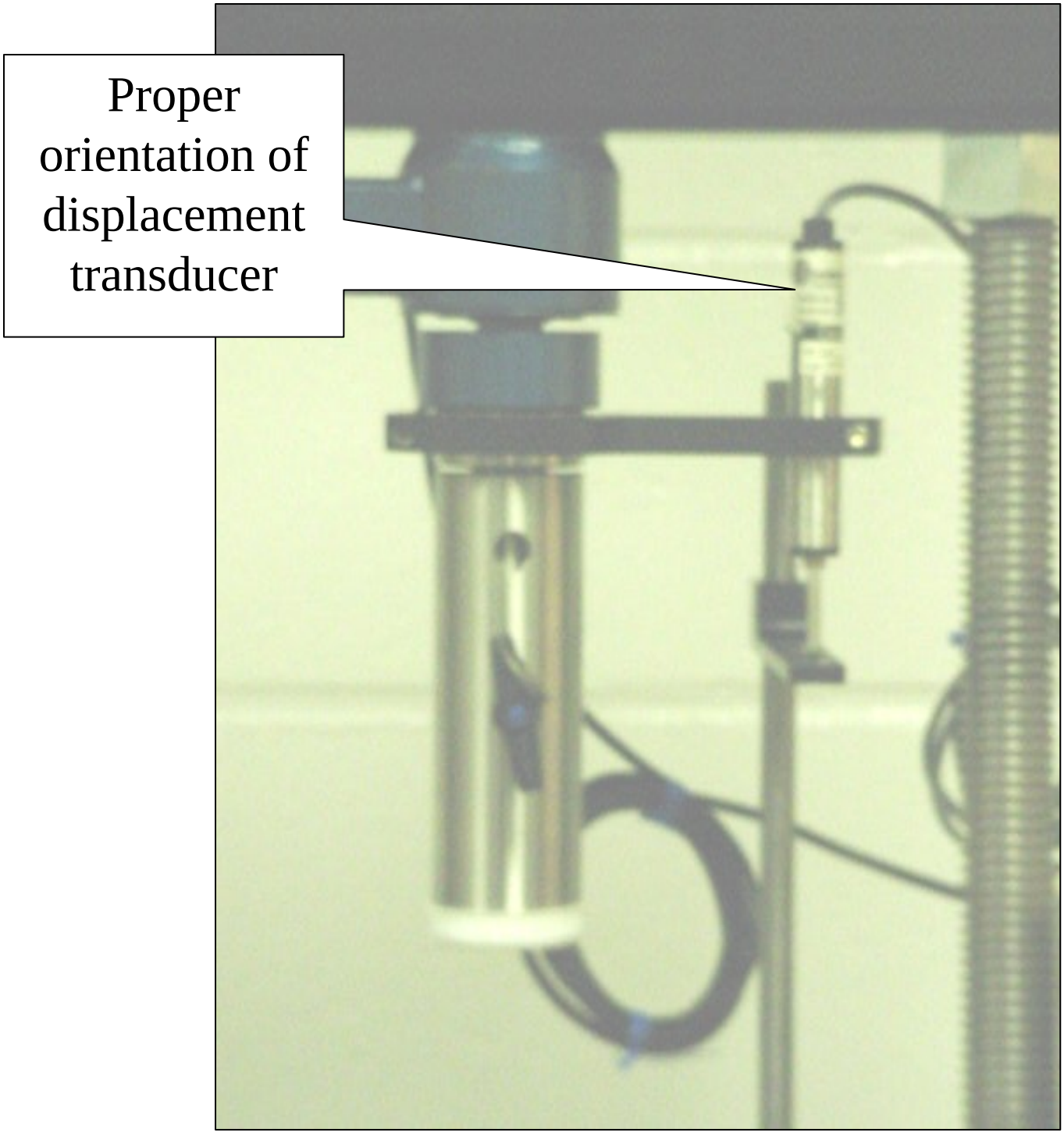

Load
Displacement
INPUT
OUTPUT
INPUT
OUTPUT
ON
OFF

Adjust displacement transducer and index bar

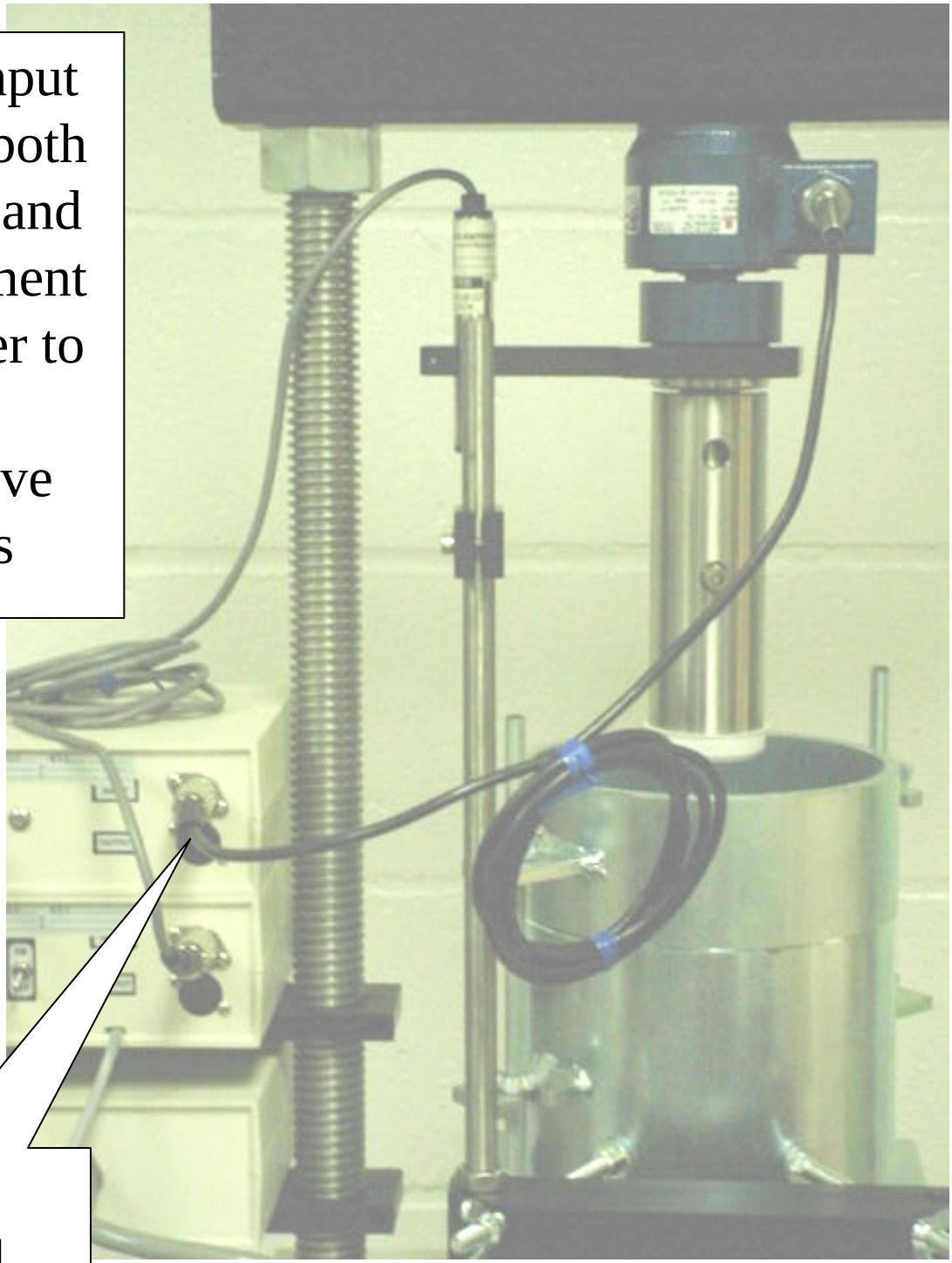


Loosen Allen head screw and adjust displacement transducer to allow for proper positioning and maximum travel to ensure accurate measurement.

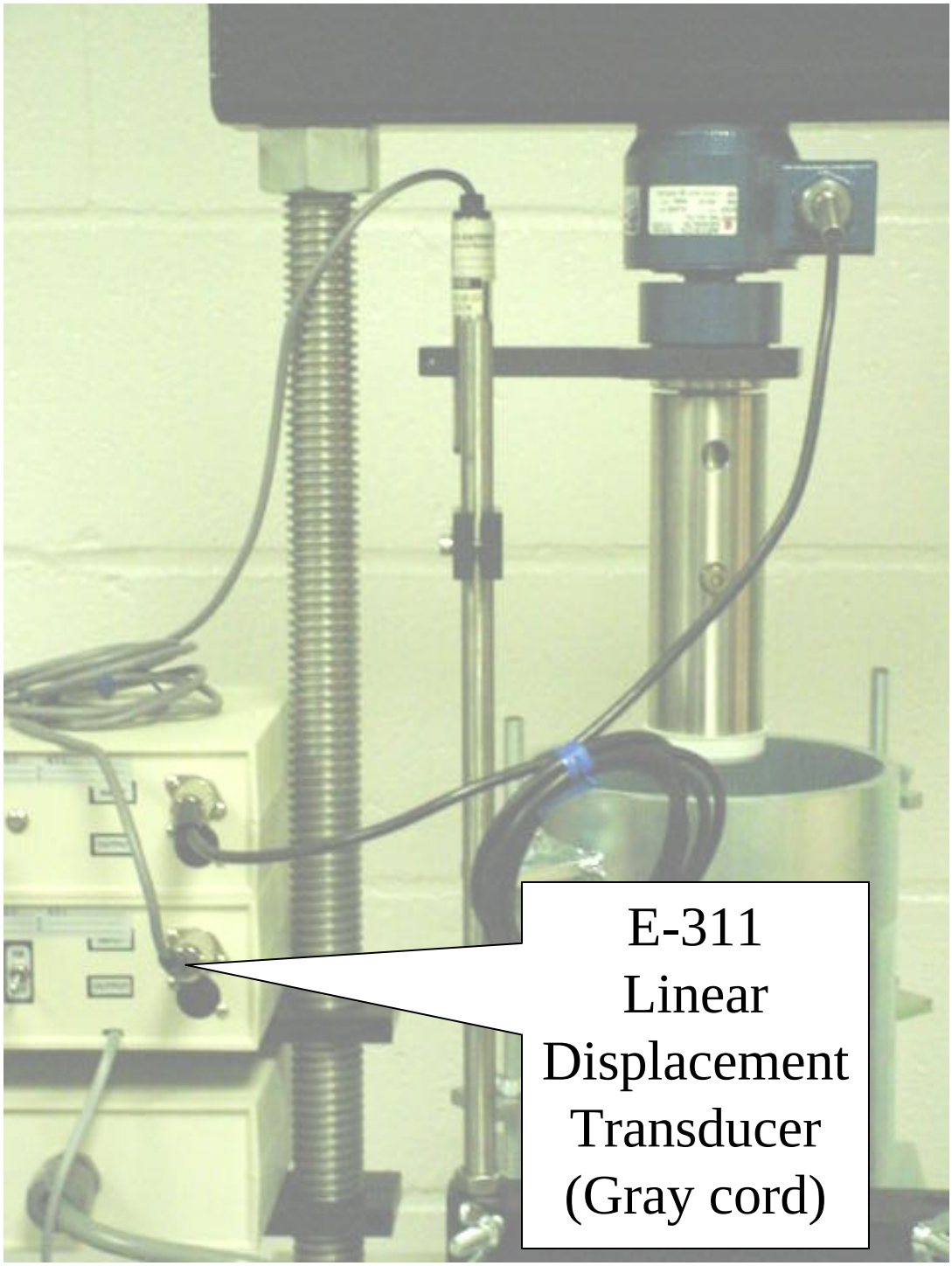



Proper orientation of displacement transducer

Attach input cords of both load cell and displacement transducer to their respective meters

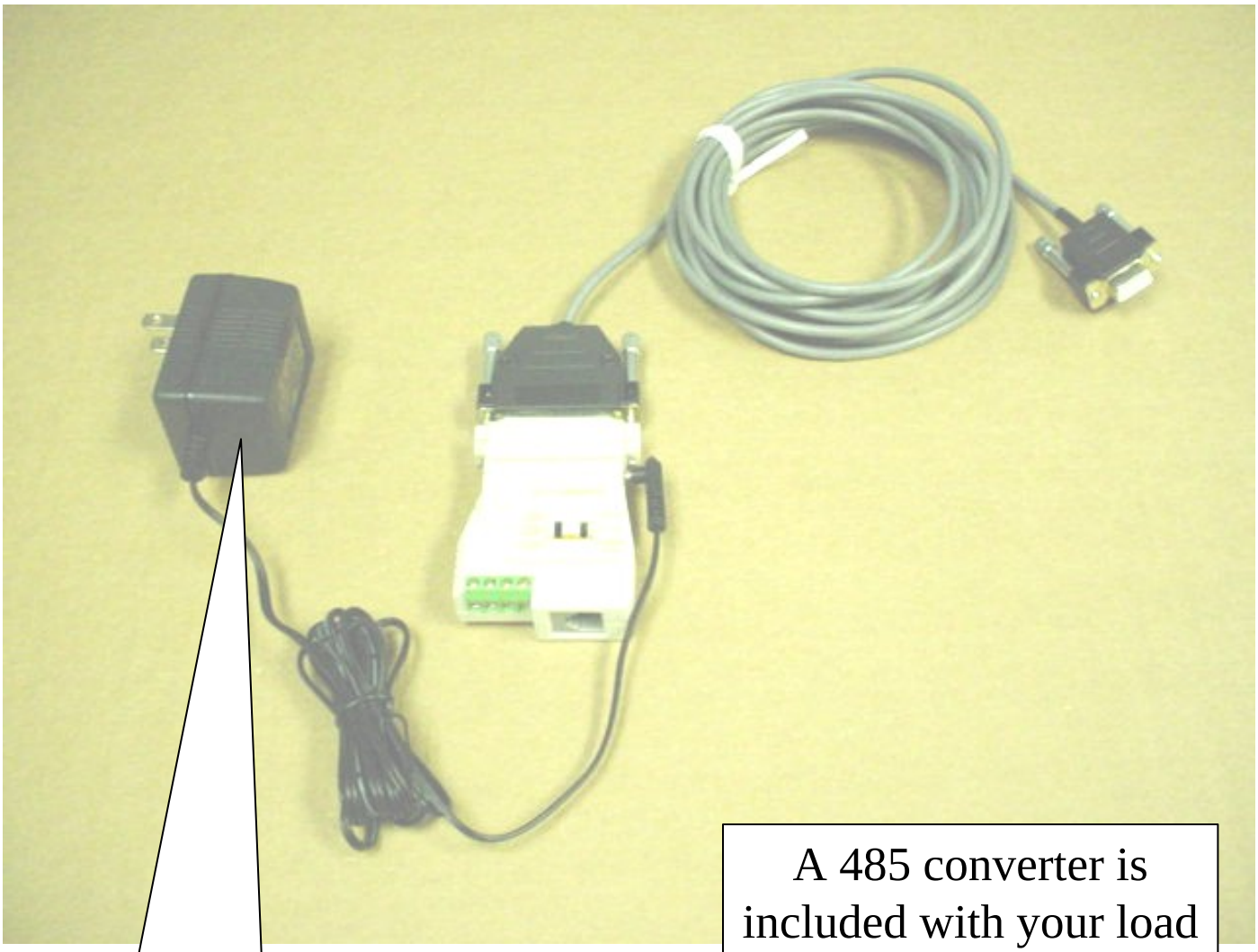


E-217
Load cell
(Black Cord)


E-311
Linear
Displacement
Transducer
(Gray cord)

Minimum Computer Requirements

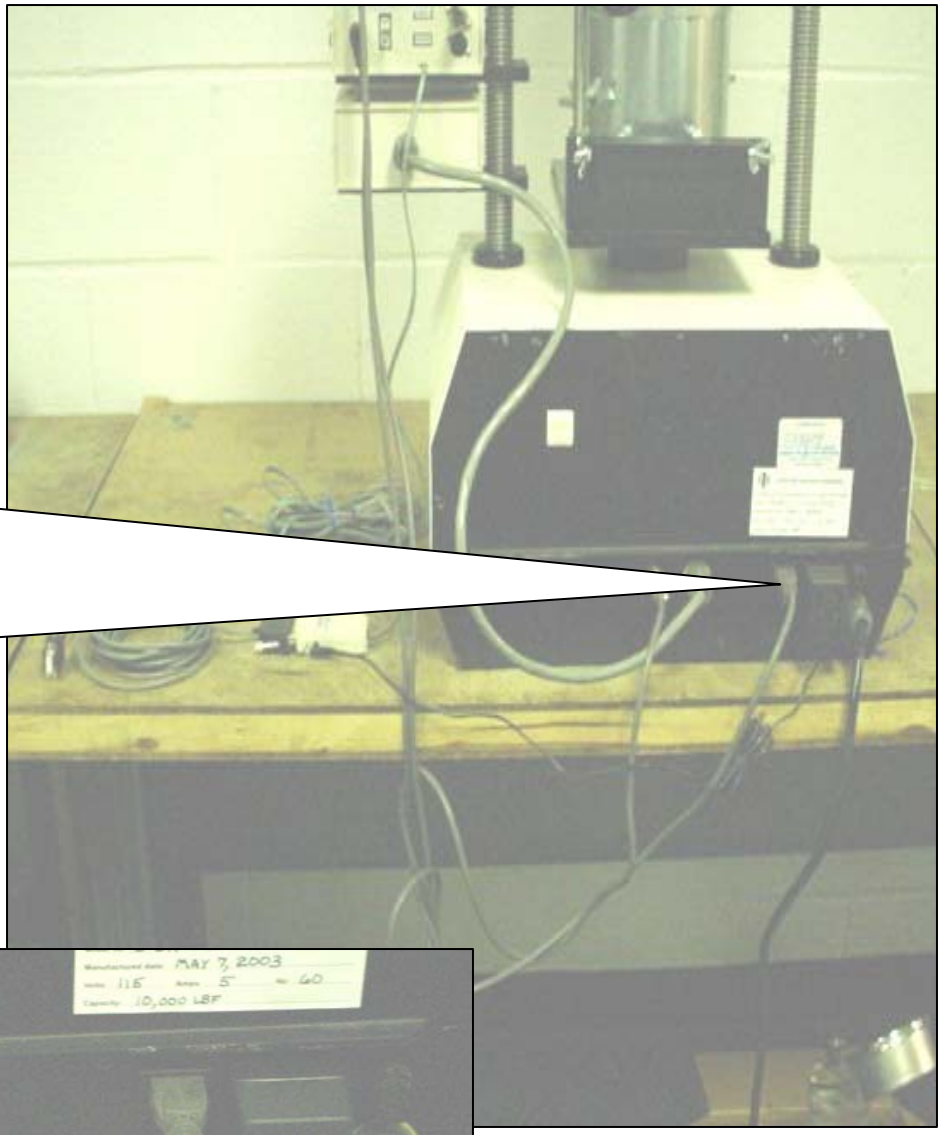
1. **Processor (486 or Higher)**
2. **Ram (64 MB)**
3. **Operating System (Windows 98 or Above)**

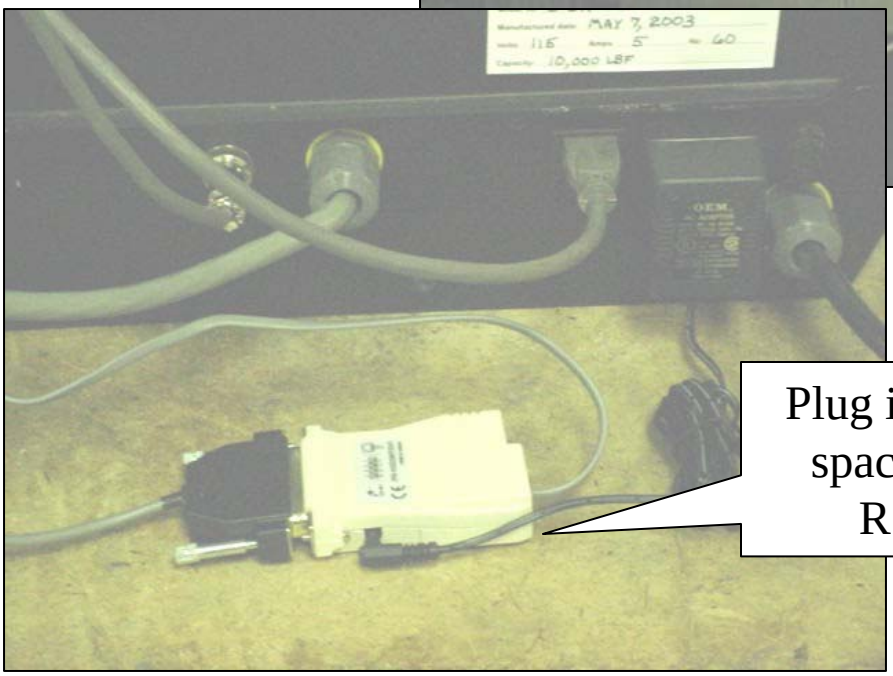


Plug in 485 converter power cord to the auxiliary power source located on the back of the load frame

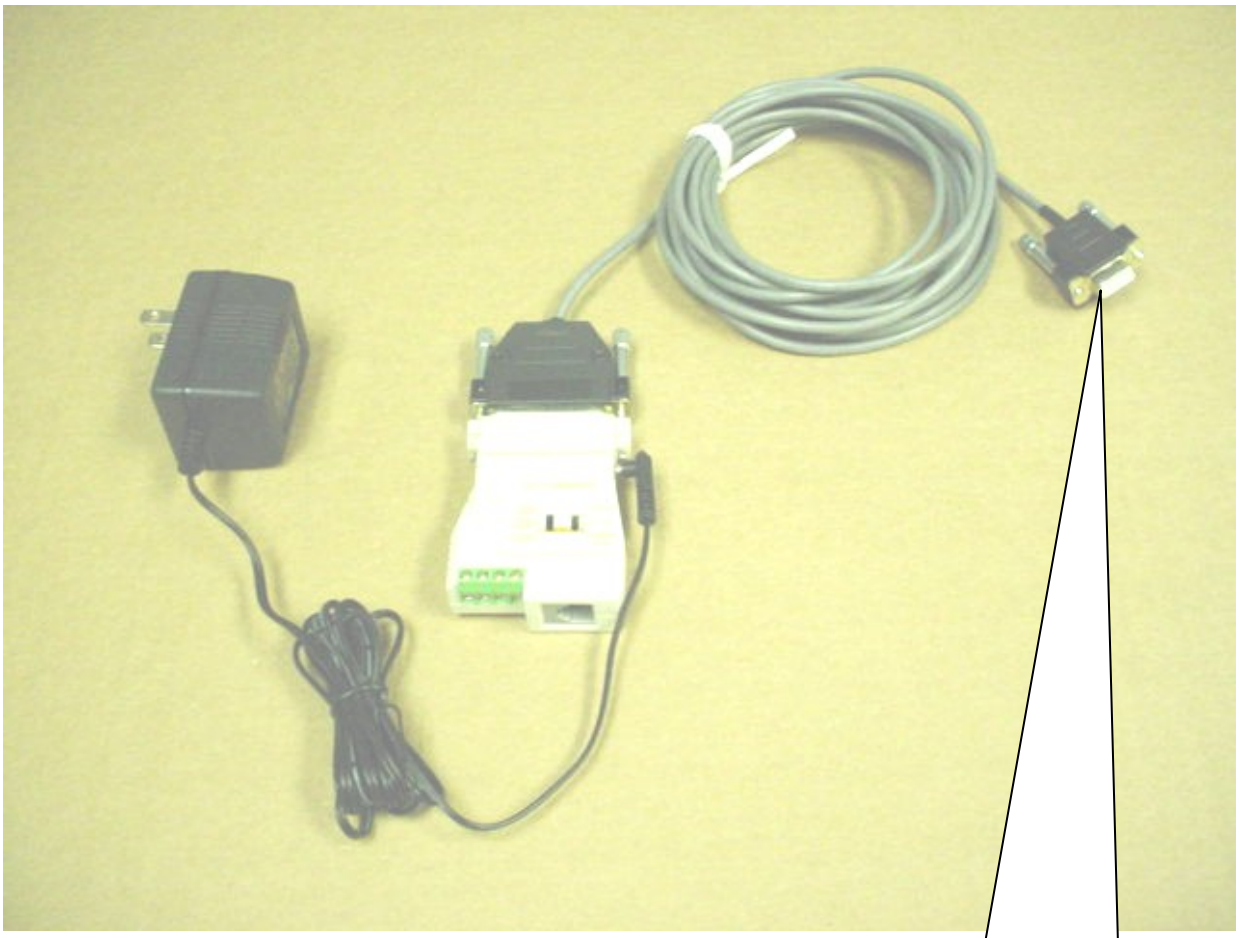
A 485 converter is included with your load frame. This will allow communication through WinSAS using your computer

Plug in the RS485 converter power cord to auxiliary power outlet on back of load frame



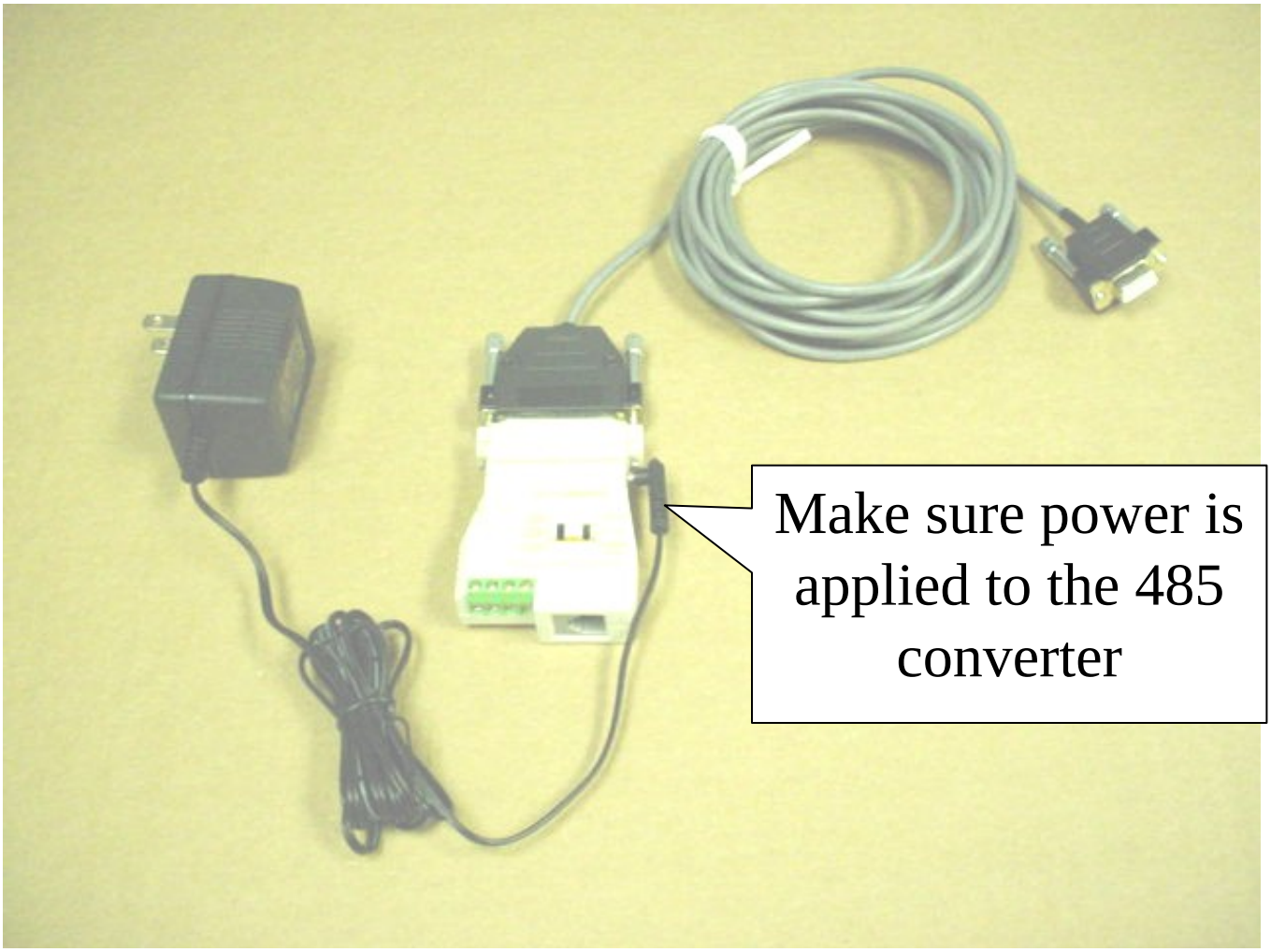


Plug in phone cord to the space provided on the RS485 converter

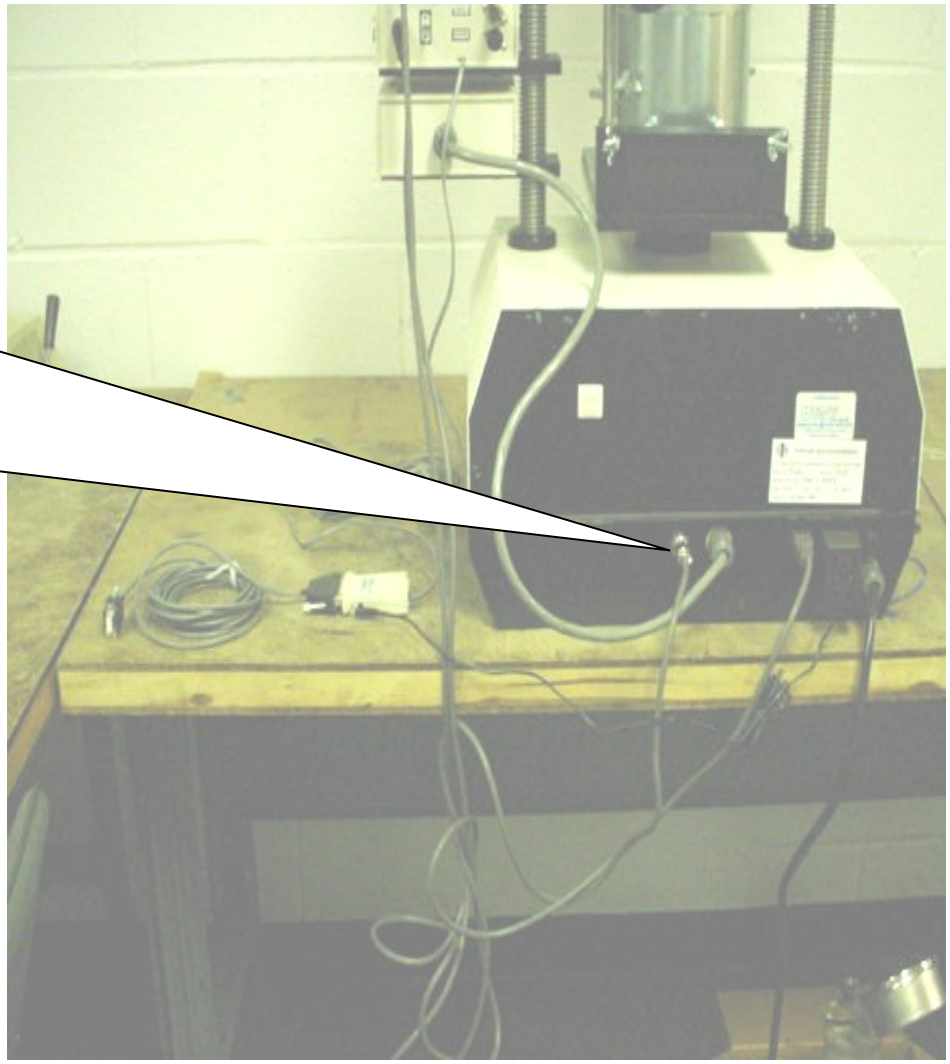


Plug in the serial connector to the com port located on the back of your computer

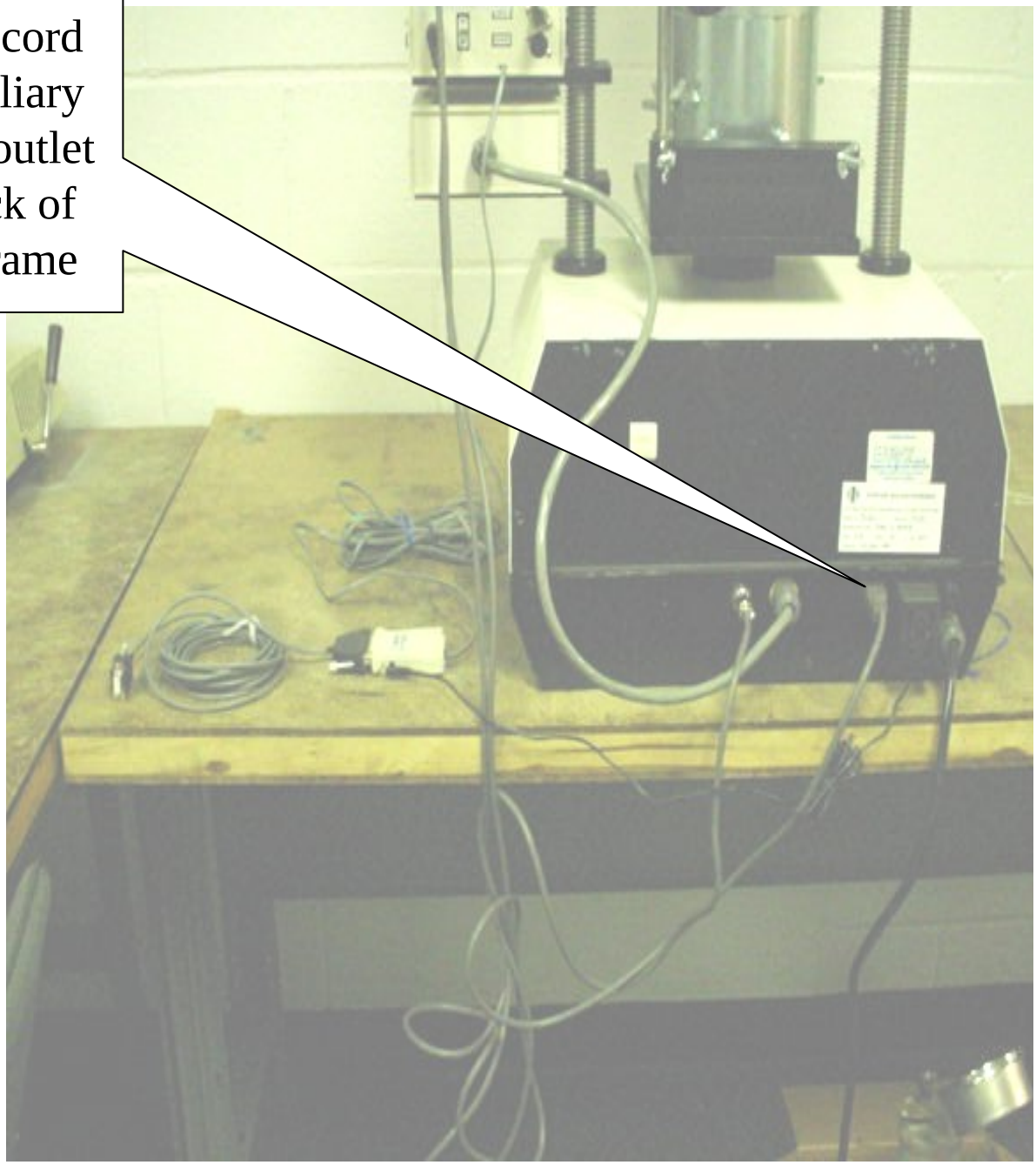
Serial Connector to Comm. Port 1 or 2. You will be able to select the com port used when setting up WinSAS software.


Make sure power is applied to the 485 converter

Attach meter input jack to back of load frame



Plug in meter power cord to auxiliary power outlet on back of load frame

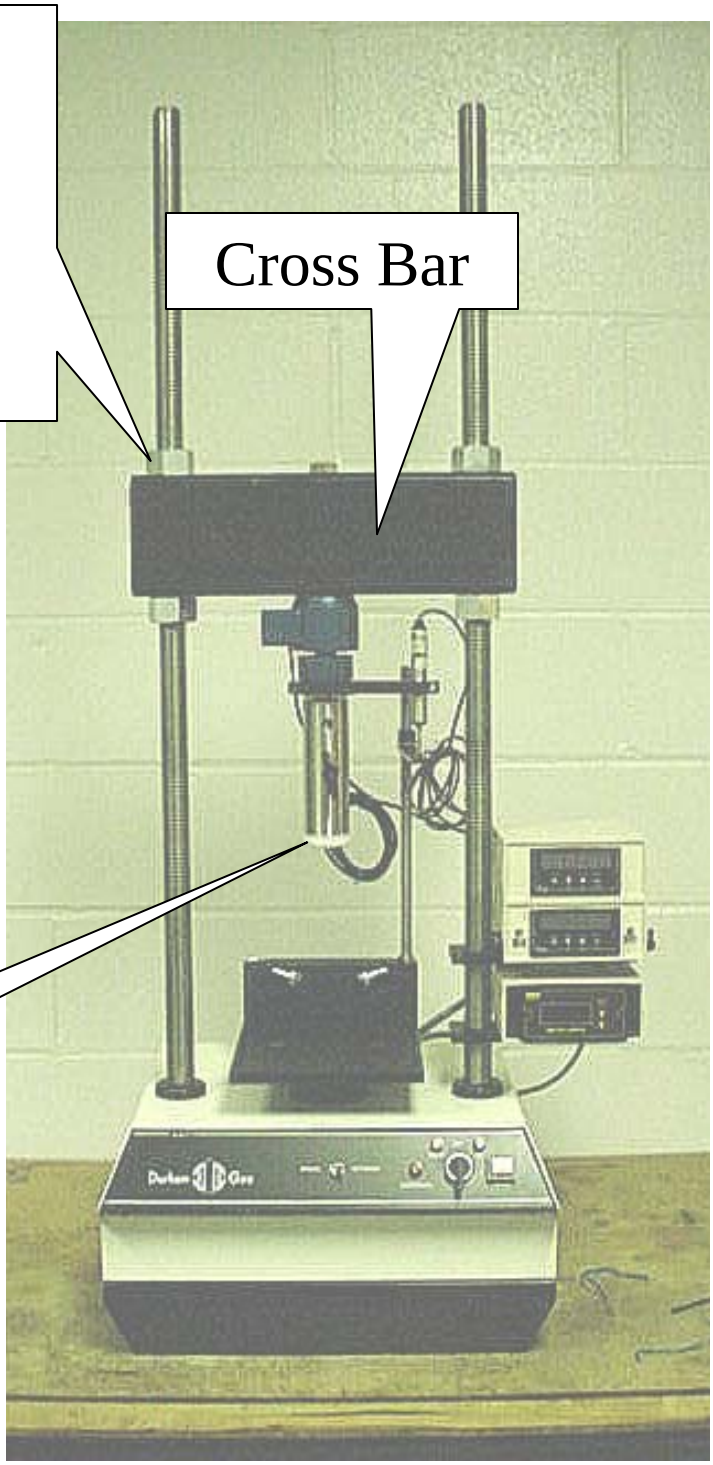


Now that all connections have been made, You are now ready to place your sample on the platen and adjust for proper alignment.

Raise or lower ACME hex nuts to adjust height of cross bar.

Always keep cross bar level, this will help reduce deflection of the Quick Adjusting Piston

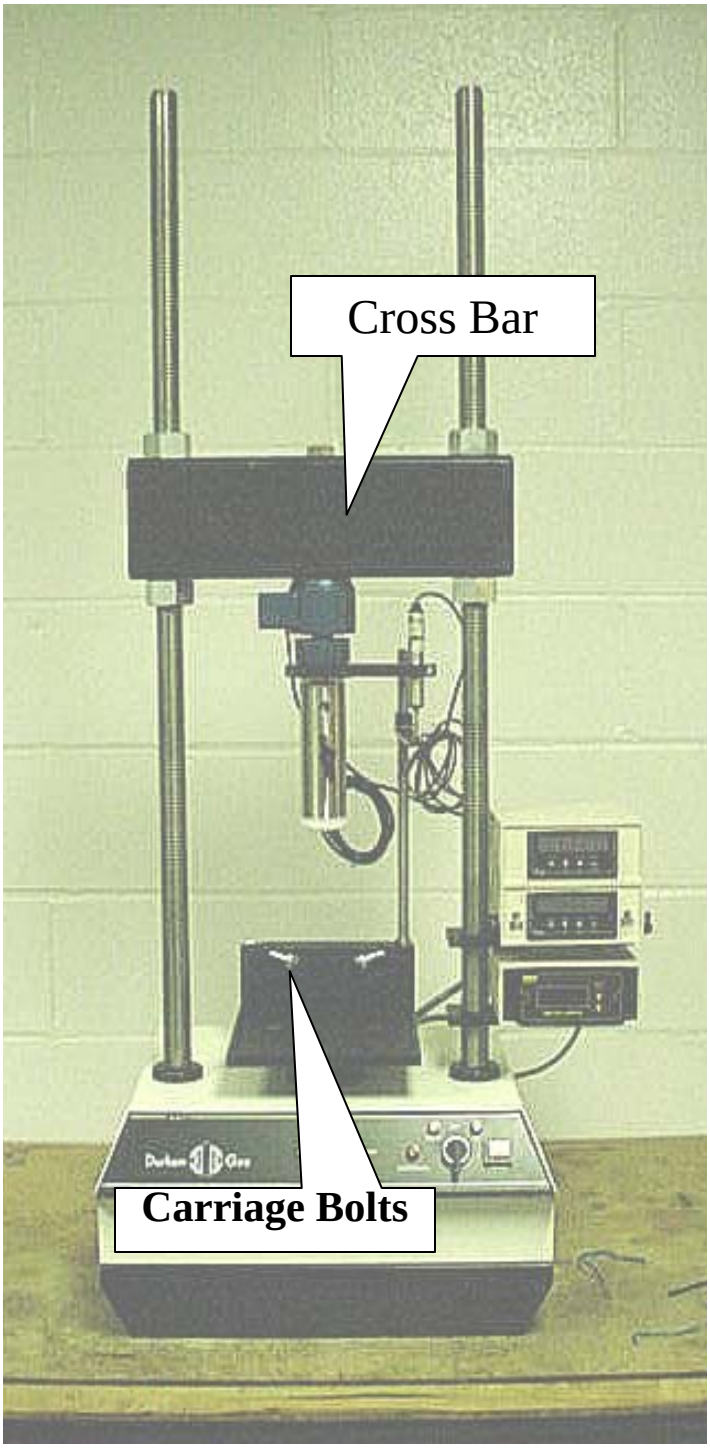
Note: you must remove white protective cover from Quick Adjusting Piston



Proper alignment is achieved in two ways.

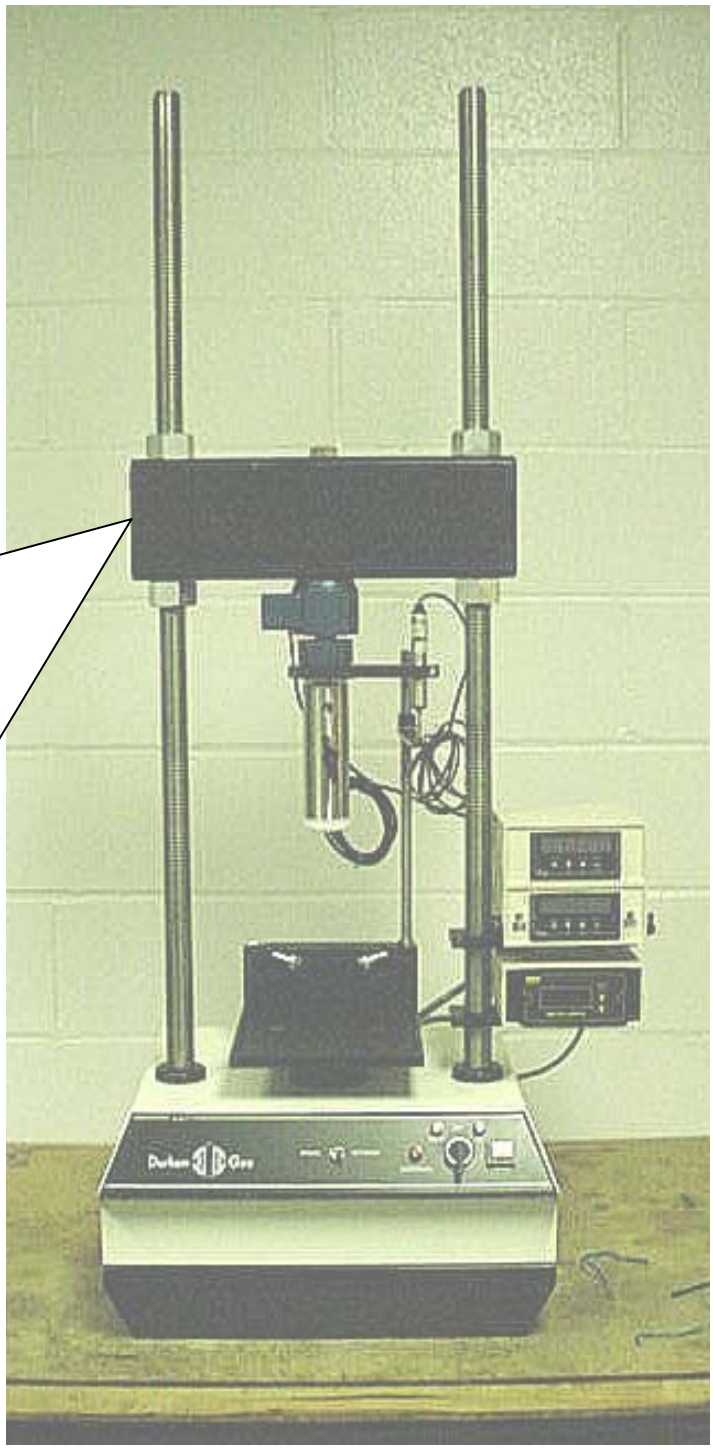
1. Raising or lowering the cross-bar (vertical alignment)

2. Adjusting carriage bolts on the platen (Horizontal alignment)



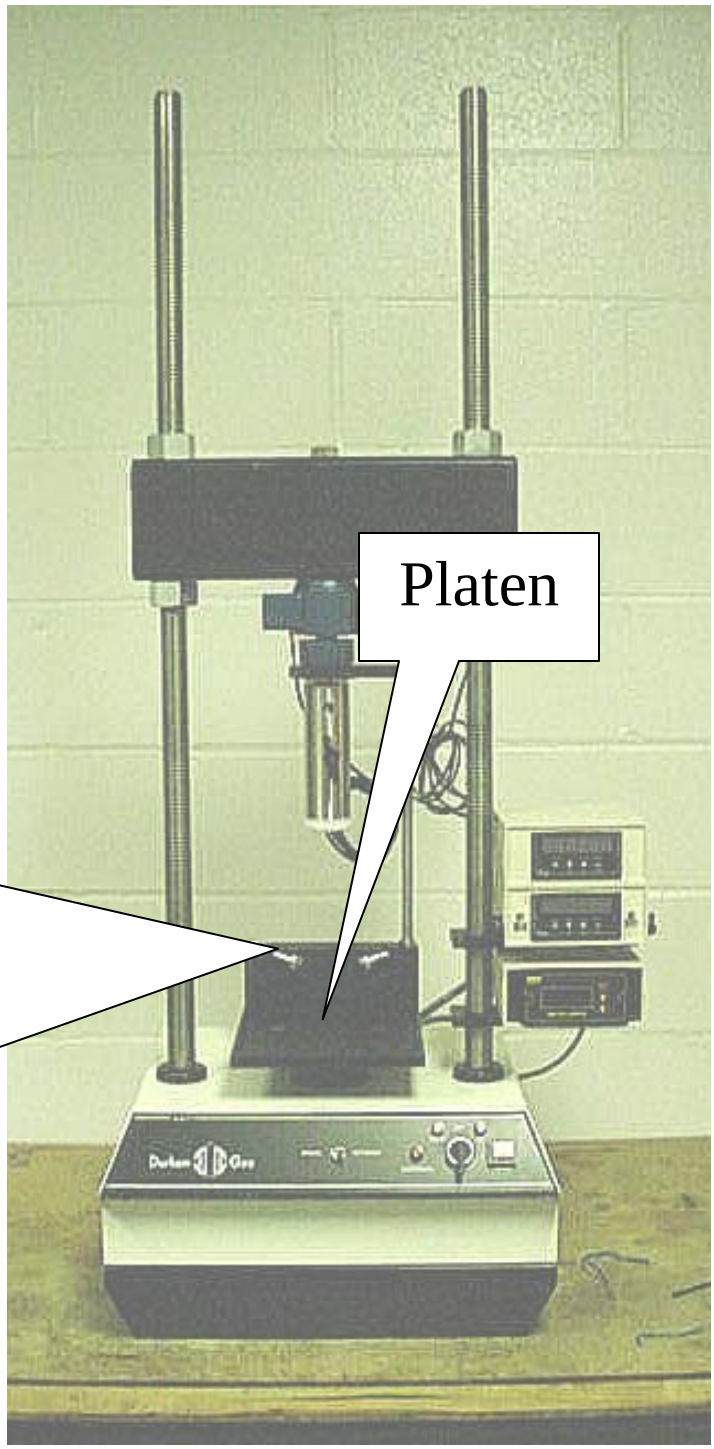
1. Raising or lowering the cross-bar.

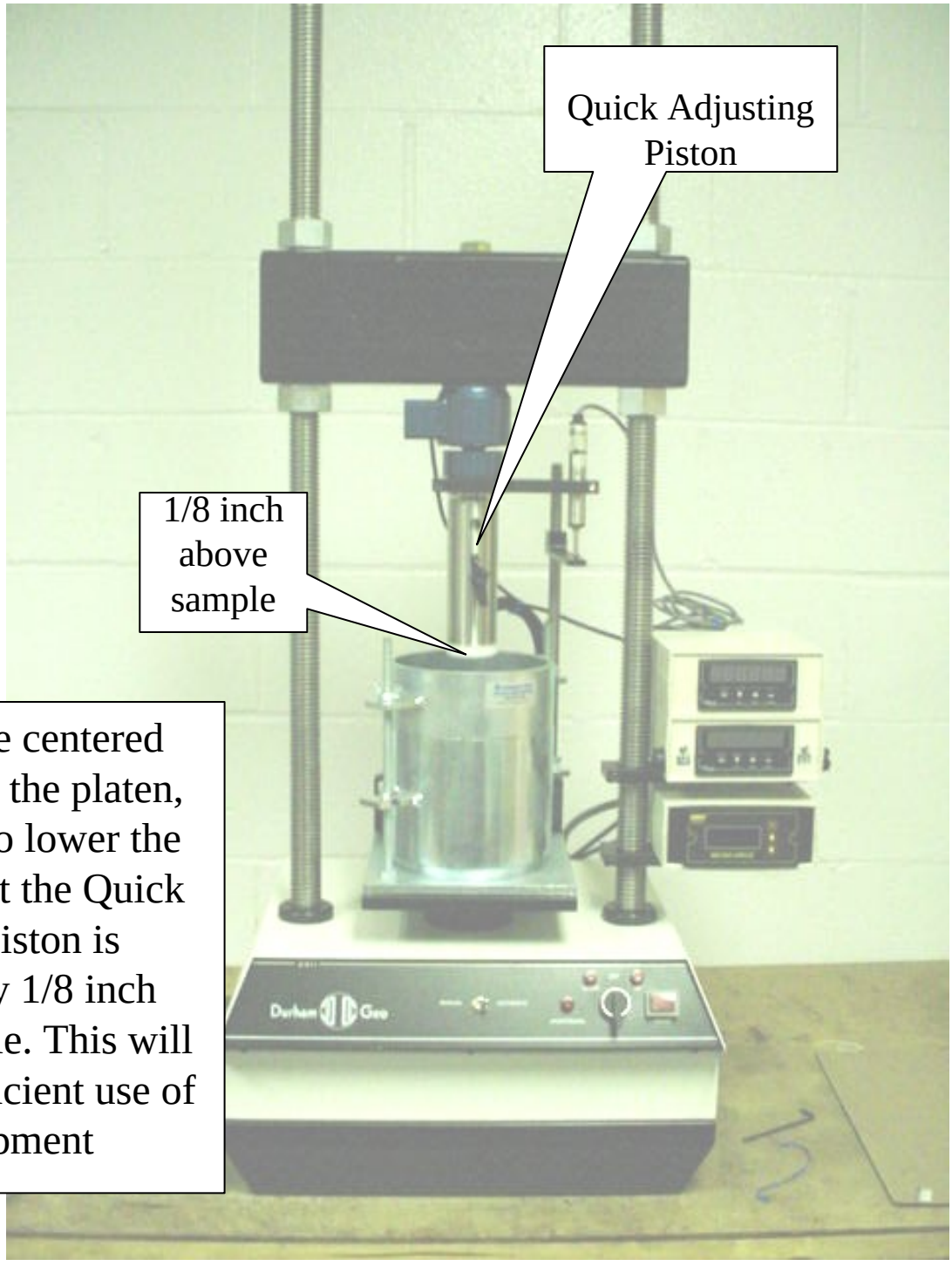
   (This will allow the proper height in proportion to the sample height)



2. Adjusting carriage bolts on the platen

   This will allow proper centering of the sample





Once you have centered your sample on the platen, you will need to lower the cross bar so that the Quick Adjusting piston is approximately 1/8 inch above the sample. This will ensure more efficient use of your equipment

Congratulations ! You will now be able to utilize your S-611 Load Frame

If you have any questions call Material Testing Division at Durham Geo 1-800-837-0864