

Step by Step Setup of System

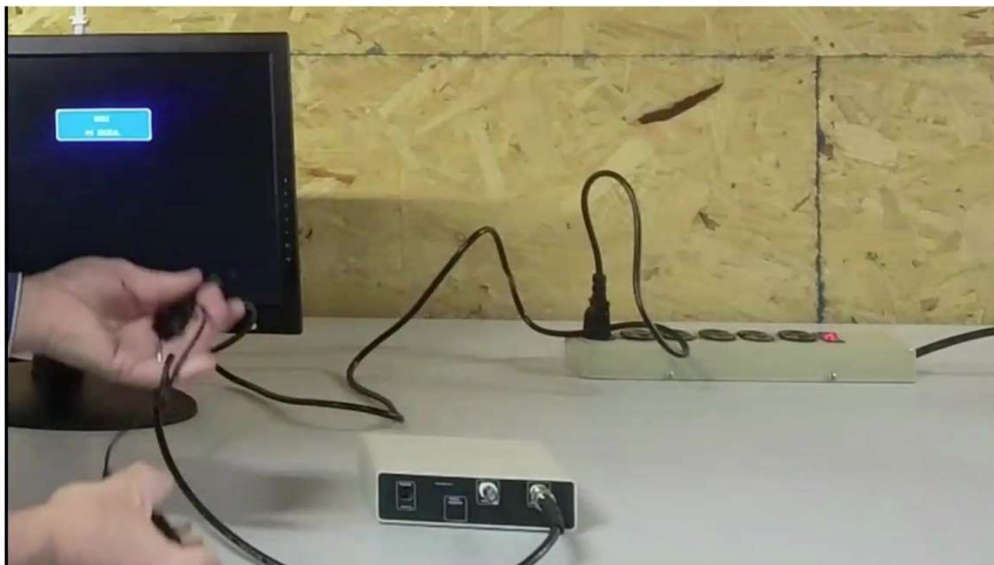
Remove the monitor, stand, and power cord from the box. Lay monitor on table with screen down and base as shown.



Attach the power cord into the receptacle on your left. Remove one of the BNC cables from the pattern generator box. Attache to the BNC connector toward the middle marked "BNC-1".



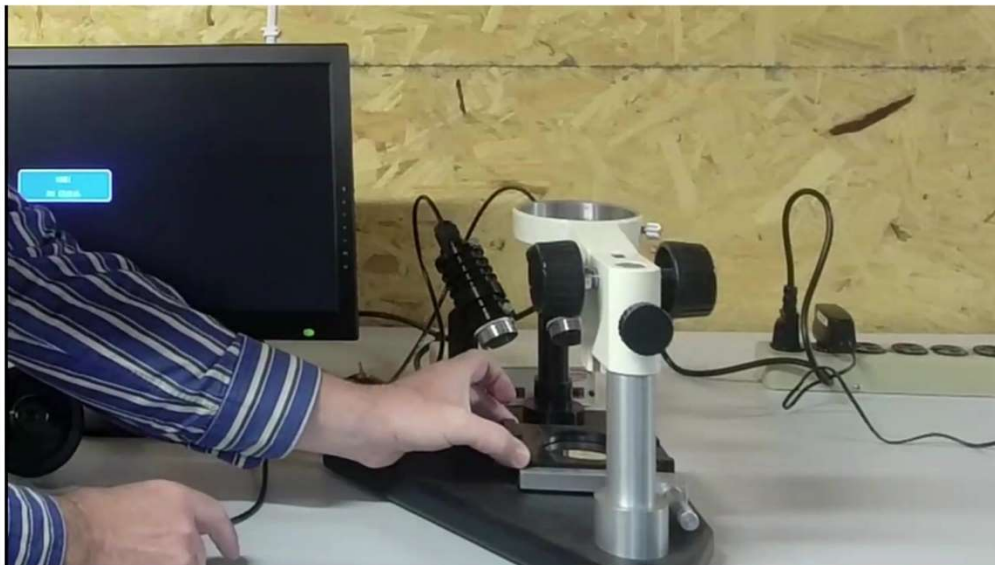
Attach the base to the monitor using the screw attached to the bottom of the base. Then set monitor upright and plug the power adapter into a power strip.



Remove the pattern generator from its box and connect the BNC cable from the monitor to the pattern generator connector marked output.



Remove the pattern generator power supply adapter and connect it to the pattern generator and power strip.



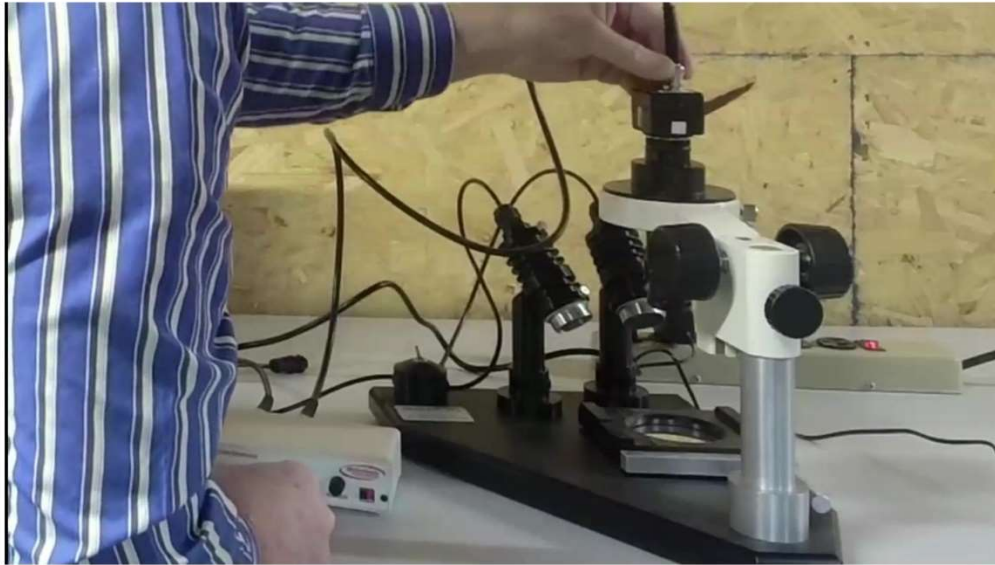
Remove base from box and place in front. Place the mirrored cell holder onto base with the holes going over the two post on the base plate.



Unwrap camera assembly and place ring into holder on base. Align so camera has power on left and BNC on right.
Then tighten thumb screw.



Remove last BNC cable from pattern generator box and connect to input on back of pattern generator.



Connect other end to BNC on camera.



Connect camera power supply to camera and power strip.



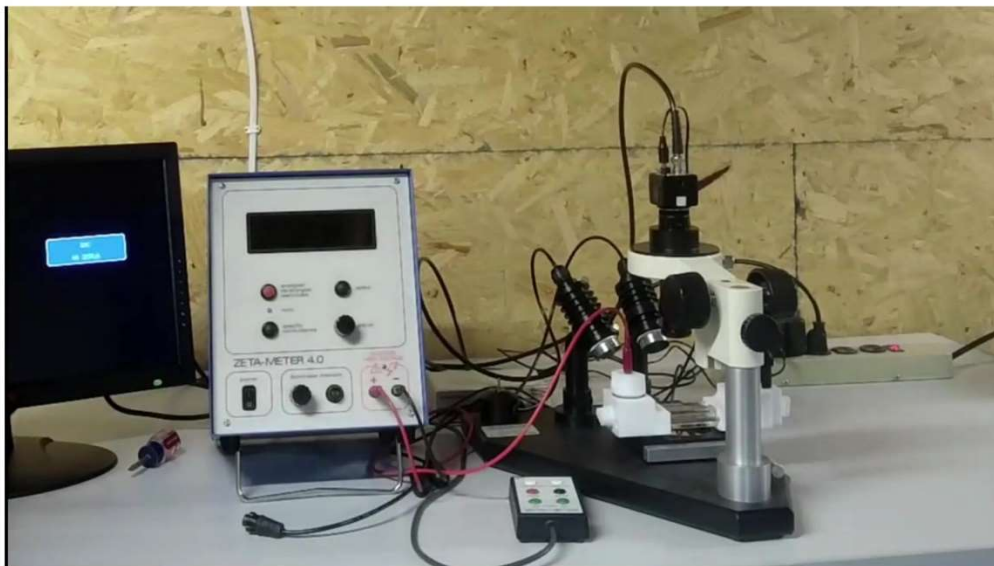
Connect keypad to back of instrument.



Connect temperature probe to back of instrument.



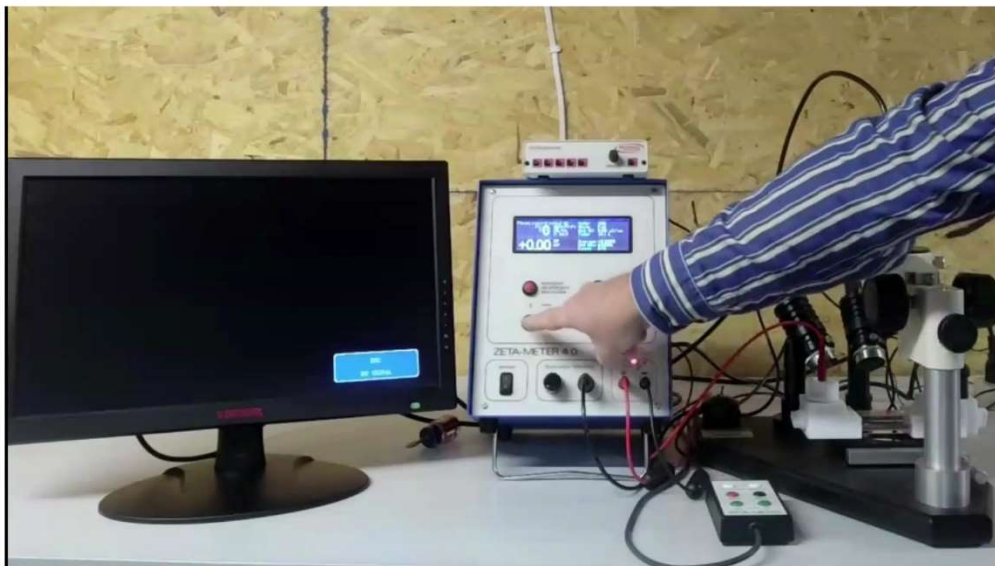
Connect power cord to back of instrument and then to power strip.



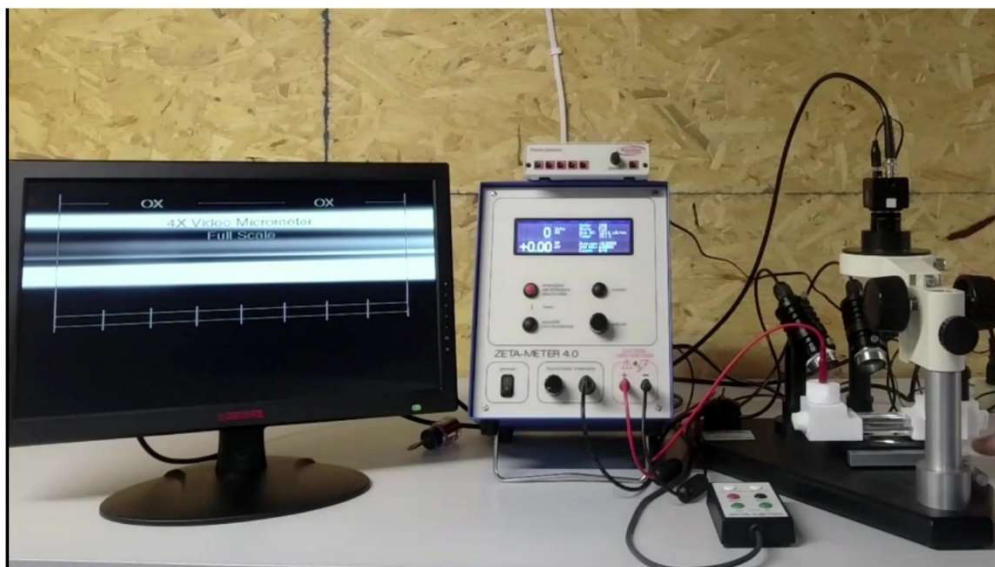
Place cell on to cell holder, connect red lead to instrument and electrode on left, connect black lead to instrument and electrode on right. You can also raise instrument bail on bottom to angle unit or can leave flat and place monitor on top to reduce space required.



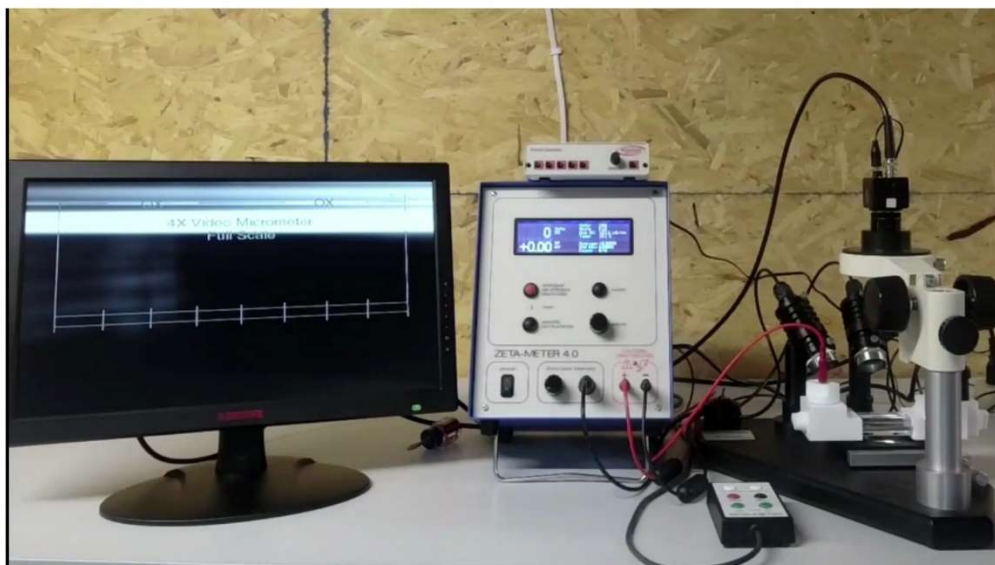
Place temperature probe into opening in cell.



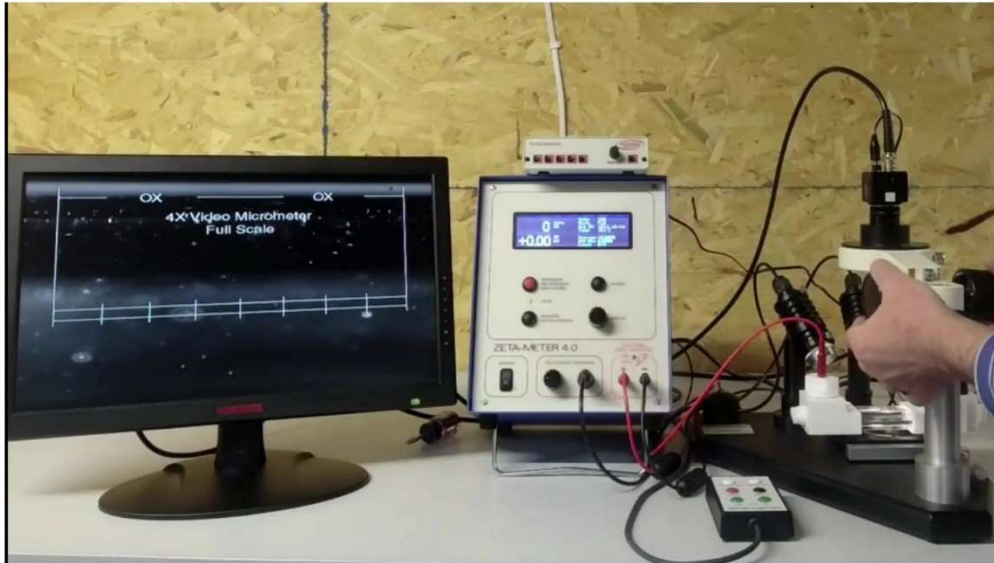
Connect light cable from base to instrument. You can now run a specific conductance test to make sure everything is working. It will be zero as you have no fluid in the cell yet.



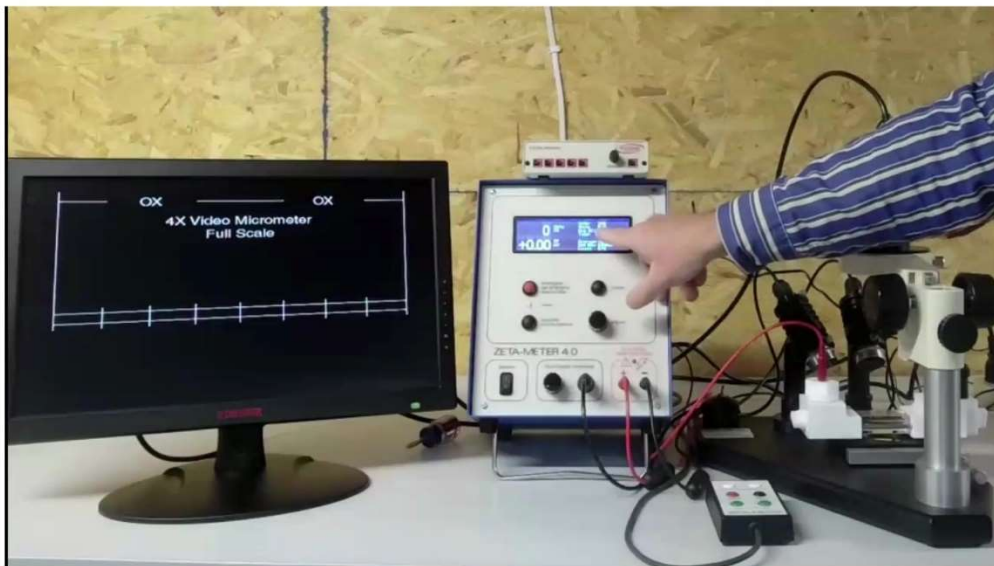
This shows the right light on and aligning the cell edge with the OX line. The line on the side of the adjustable holder gets you very close to the focus you need to get started.



This shows the cell being adjusted to put the OX line in the proper spot.



This shows particles in the fluid. You may need to adjust up and down to get better focus on particles.



You want to make sure you are measuring the correct distance. This shows the pattern generator is set to full scale.
Make sure the instrument is also set to full scale. This is not automatic.

You are now set up to start practicing taking measurements with the instrument.