Hello, this a video for Engineering Measurement & System Monitoring unit, learning outcome one where we have to measure pressure.

We have the Feedback Process rig. and the circuit is pumping round water, where the flow rate is changed by adjusting the manual value to restrict the flow. The output from our sensor is in millamps, inside there will be some sort of diaphragm and the reading will appear on the 4 to 20mA display, 4 is at the bottom end of the scale and 20 is at the top. So that is the range of the instrument, 4 is a live zero so out with the range then the system would indicate a fault. This current signal is also passing through another display which is converting the current into a pressure reading in the units bar. Also we can take a reading from the analogue gauge in bar or psi. We can take a range of readings by increasing the flow rate by adjusting the restrictor and from this trend can be created.

Thank you for listening.