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

We have two options for position linear and rotary. In the manual page number 20, a variation of output voltage with setting of rotary potentiometer, so it is the displacement producing an output voltage. We use a multimeter set to volts DC, we could use the voltage meter on the board, but it doesn’t have a good resolution. We are down here at the bottom using this carbon track we could be using the linear, but we are using the rotary. Page 21 of the manual and we need to fill the table in with the results – change the control setting and record the voltage output. From these results a graph can be produced. Here is a small demonstration starting with the voltage at zero and then turn the setting of the potentiometer to the first dash, then take a reading and then repeat. So not a very complicated experiment and it would be similar idea with the linear potentiometer. With the reports you must reflect on what errors could be present so slight human error with the dial position and the multimeter has accuracy and resolution issues.

Thank you for listening.