

ESC201 Introduction to Electronics Lab Demonstration Videos

Lab 1: Familiarization with Laboratory Instruments

Operation of Digital Storage Oscilloscope (DSO):

For ESC201 Lab 1, you must watch the following videos (total watch time is 42 minutes).

1. [Displaying Waveforms and Scaling](#) – 10 minutes
2. [Basic Triggering of the Display](#) – 6 minutes
3. [Manual Measurement using Cursor](#) – 8 minutes
4. [Automatic Parameter Measurement](#) – 8 minutes
5. [More about Triggering](#) – 8 minutes
6. [Math Operation on Waveform](#) – (4:18 to 5:43) 2 minutes

[For interested students who are willing to spend more time and want to know more about the DSO operation, you may refer to the following YouTube Playlist on the web:

‘[Oscilloscopes 101 for Engineering Students](#)’ by [Keysight Hands-On](#) Channel on YouTube.]

For other lab instruments and components: a DC Power Supply (an older model), a Function Generator (FG), Breadboard, and Digital Multi-Meter (DMM)

[You can watch some old demos of ESC Lab here](#) (total watch time is 10 minutes).