Electronic Testing Devices

About	There are for power supp	There are four general devices available for testing electronic circuits: digital multimeter, function generator, oscilloscope, and DC power supply.					
Categor y	Electronics	Electronics					
Location	Front Room						
Title	Brand /Model	About					
DC Pow er Sup ply	Keithley 2231A-30- 3	A DC power supply is a consistent energy source to test electronic devices with. The Garage has two, 3-channel DC power supplies. Two channels are rated for 30V and 3A and one channel is rated for 5V and 3A. The voltage and current accuracies are 0.06% and 0.2% respectively.					
Osci Ilosc ope	Tektronix TBS 2000	onix The oscilloscope measures and plots voltage signals from electronic devices. These are useful for testing signals, troubleshooting circuits, and quantifying noise.					
Fun ctio n Gen erat or	Tektronix AFG1022 Function Generators	A function generator is a device that can produce various patterns of voltage at a variety of frequencies and amplitudes. The function generators available have dual channels, 25 MHz bandwidth and up to 10 V_{P-P} output amplitudes. They also have 4 run modes, 50 built-in frequently-used waveforms and a built-in 200 MHz frequency counter to cover most waveform generation needs for tests and experiments.					
Digit al Mult imet er	Keithley - Model 2110 - 5 1 /2 Digit Multimeter	The digital multimeter is suitable for reading two or more electrical values. This model can perform the following measurements: DC and AC voltage, ratio (DC voltage input / DC voltage reference), DC and AC current, resistance, frequency and period, continuity, diode testing, temperature, and capacitance.					

Training

Sign up for training here: Training Registration Calendar

Training	Туре	Time Estimate	Prerequisites	Checklist/Document
ED - Training 1	ON-MACHINE	50 min	None	