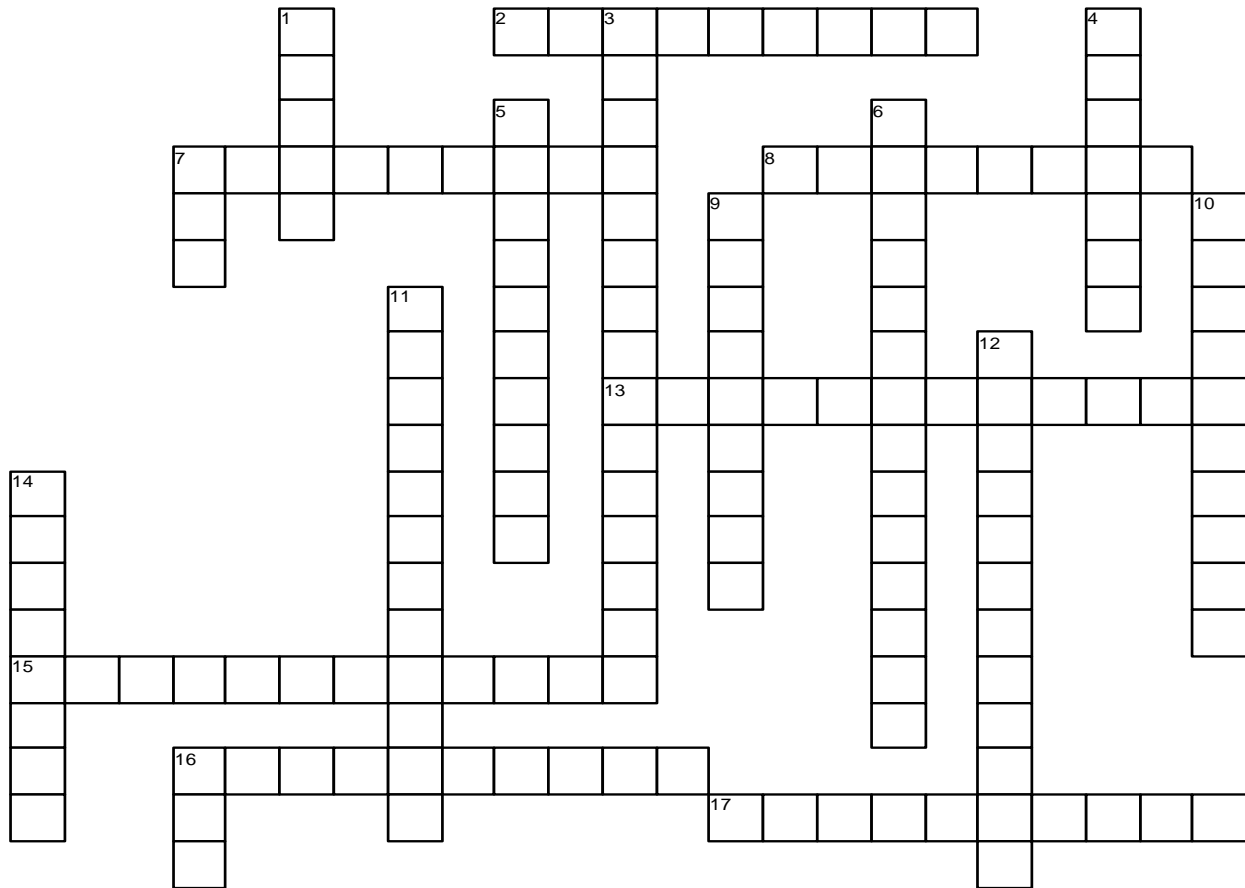


# Oscilloscopes And Graphing Multimeters

## Chapter 10



<http://jameshalderman.com>

### ACROSS

- 2 \_\_\_\_\_ is the number of cycles per second measured in hertz.
- 7 \_\_\_\_\_ refers to the percentage of on-time of the signal during one complete cycle.
- 8 A \_\_\_\_\_ multimeter is a cross between a digital meter and a digital storage oscilloscope.
- 13 The \_\_\_\_\_ is the voltage direction that a waveform must have in order to start the display.
- 15 A \_\_\_\_\_ is a miniature coaxial cable connector.
- 16 A DC voltage that turns on and off in a series of pulses is called a \_\_\_\_\_.
- 17 When the \_\_\_\_\_ position is selected, a capacitor is placed into the meter lead circuit, which effectively blocks all DC voltage signals but allows the AC portion of the signal to pass and be displayed.

### DOWN

- 1 Frequency is measured in \_\_\_\_\_.
- 3 An \_\_\_\_\_ is when the waveform starts when a signal is received from another external source rather than from the signal pickup lead.

- 4 Scopes are available that allow the viewing of more than one sensor or event at the same time on the display. The number of events, which require leads for each, is called a \_\_\_\_\_.
- 5 \_\_\_\_\_ is the most used position on a scope because it allows the scope to display both alternating current voltage signals and direct current voltage signals present in the circuit.
- 6 An analog scope uses a \_\_\_\_\_ similar to a television screen to display voltage patterns.
- 7 A digital scope takes samples of the signals that can be stopped or stored and is therefore called a \_\_\_\_\_.
- 9 The transparent scale, used for reference measurements, is called a \_\_\_\_\_.
- 10 The \_\_\_\_\_ is a measure of the actual on-time measured in milliseconds.
- 11 \_\_\_\_\_ is the voltage that must be detected by the scope before the pattern will be displayed.
- 12 An \_\_\_\_\_ is a visual voltmeter with a timer that shows when a voltage changes.
- 14 Setting the \_\_\_\_\_ means setting how much time will be displayed in each block called a division.
- 16 Duty cycle is also called \_\_\_\_\_ and can be measured in degrees.