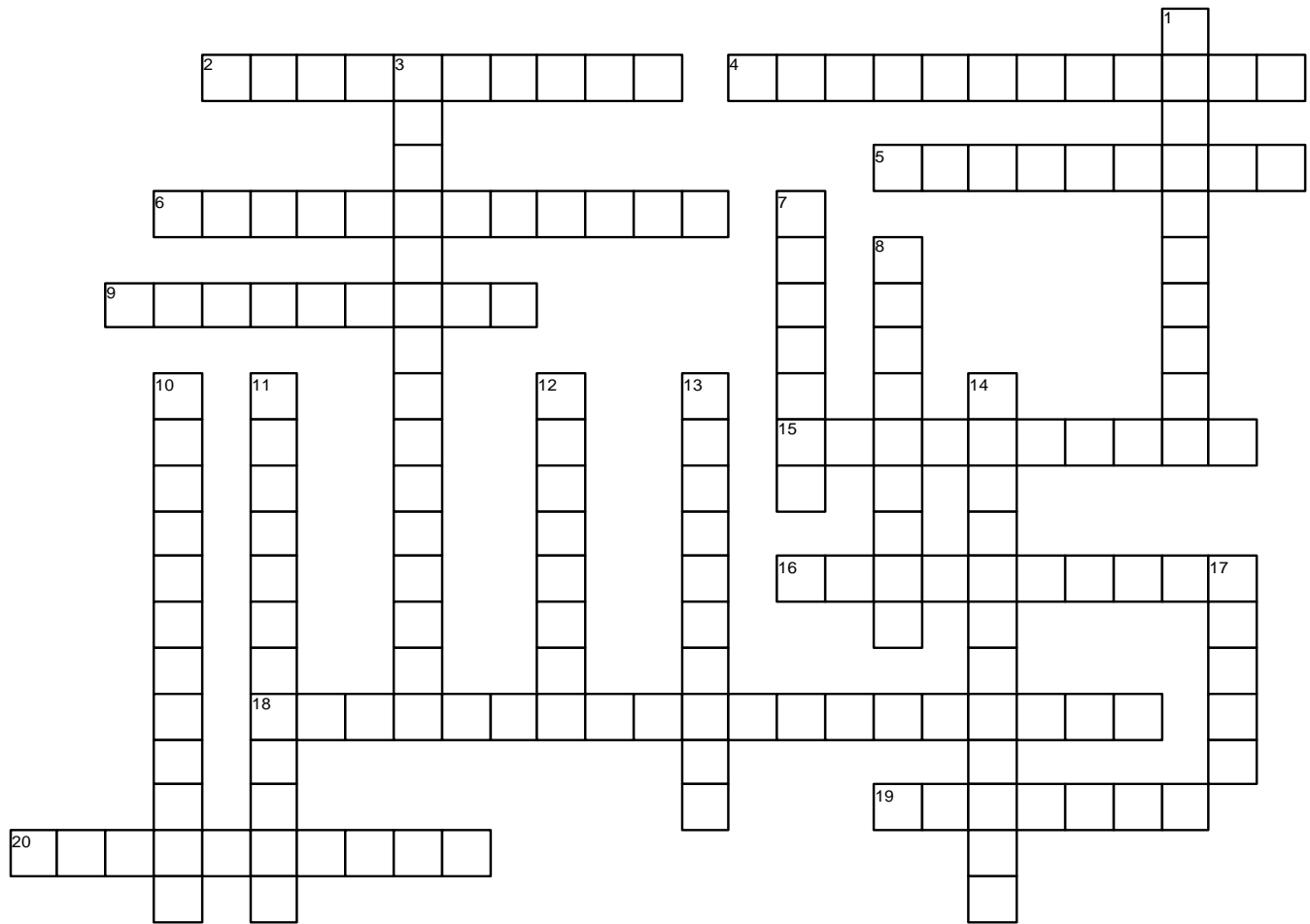


Digital Storage Oscilloscope Testing

Chapter 6



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ACROSS

- 2 A DC voltage that turns on and off in a series of pulses is called a _____.
- 4 An oscilloscope (usually called a scope) is a visual voltmeter with a timer that shows when a voltage changes.
- 5 The transparent scale (grid), used for reference measurements, is called a _____.
- 6 _____ is the voltage that must be detected by the scope before the pattern will be displayed.
- 9 _____ is the number of cycles per second measured in hertz.
- 15 _____ is the most used position on a scope because it allows the scope to display both alternating current (AC) voltage signals and direct current (DC) voltage signals present in the circuit.
- 16 The _____ is a measure of the actual on-time measured in

milliseconds.

- 18 A digital scope takes samples of the signals that can be stopped or stored and is therefore called a digital _____.
- 19 The number of events, which require leads for each, is called a _____.
- 20 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 Duty cycle is also called pulse-width _____ (PWM) and can be measured in degrees.
- 3 An _____ is when the waveform that starts as a signal is received from another external source, rather than from the signal pickup lead.
- 7 An analog scope uses a _____

ray tube (CRT) similar to a television screen to display voltage patterns.

- 8 refers to the percentage of on-time of the signal during one complete cycle.
- 10 Most scopes, both analog and digital, normally use the same test leads. These leads usually attach to the scope through a _____, which is a miniature standard coaxial cable connector.
- 11 The _____ is the voltage direction that a waveform must have in order to start the display.
- 12 Setting the _____ means setting how much time will be displayed in each block called a division.
- 13 A pressure _____ is an electrical device that converts pressure into an electrical signal.
- 14 A _____ (also called an amp clamp) is an electrical probe with jaws that open to allow the clamping around an electrical conductor.
- 17 Frequency is the number of cycles per second measured in _____.