

Automotive Technology 7th Edition
Chapter 40: Digital Storage Oscilloscopes
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|---------------------------------------|---|-----------|
| 1. Oscilloscope | A. A visual voltmeter with a timer that shows when a voltage changes. | 1. _____ |
| 2. Digital Storage Oscilloscope (DSO) | B. Used to display both the DC and AC signals of a waveform. | 2. _____ |
| 3. Graticule | C. A common type of oscilloscope that uses an LCD. | 3. _____ |
| 4. Time Base | D. The horizontal lines on a scope screen, used to measure time. | 4. _____ |
| 5. Volts per Division | E. Setting on a scope that allows the technician to view a waveform how long in duration. | 5. _____ |
| 6. DC Coupling | F. Setting on a scope to observe the entire waveform from 0 to 5 volts. | 6. _____ |
| 7. Pulse Train | G. This describes the percentage of time a circuit is on during one complete cycle. | 7. _____ |
| 8. Duty Cycle | H. A common type of lead connector used with oscilloscopes. | 8. _____ |
| 9. BNC Connector | I. Voltage signals that switch between two voltage levels. | 9. _____ |
| 10. 500 ms (milliseconds) | J. The vertical scale on an oscilloscope screen, representing voltage. | 10. _____ |

Automotive Technology 7th Edition
Chapter 40: Digital Storage Oscilloscopes
Matching Quiz
Answer Key

Answer Key:

1. A
2. C
3. D
4. E
5. J
6. B
7. I
8. G
9. H
10. F