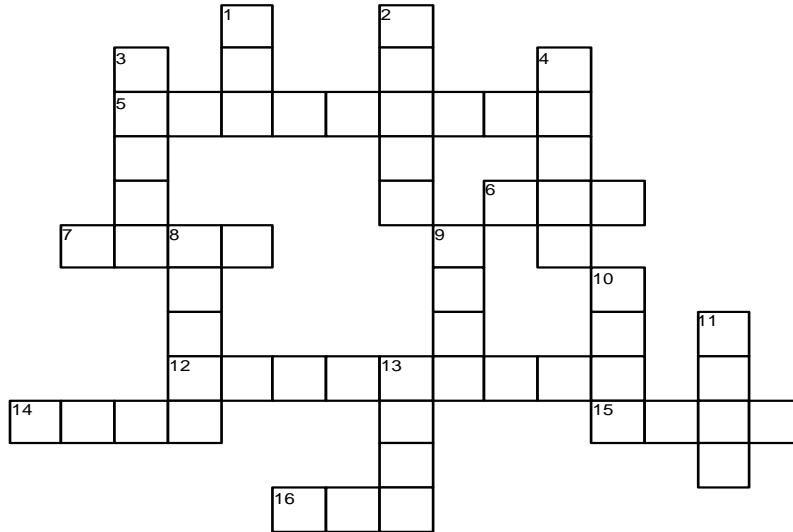


Automotive Electrical and Engine Performance 9th Edition Chapter 5 - Circuit Testers and Digital Meters



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ACROSS

- 5 _____ ammeter: A meter that measures current by sensing the magnetic field around a conductor without direct electrical contact.
- 6 A global organization that sets standards for electrical and electronic technologies.
- 7 A prefix indicating a thousand units.
- 12 High-_____ test meter: A meter designed to measure voltage without drawing significant current, essential for testing computer-controlled circuits.
- 14 _/_/_ clamp-on DMM: A digital multimeter that can measure current by clamping onto a conductor without direct contact.
- 15 A mathematical method used to calculate the effective value of an alternating current (AC) signal.
- 16 A versatile electronic measuring instrument used to measure voltage, current, and resistance.

DOWN

- 1 _____ test light: A diagnostic tool that uses an LED to indicate the presence of voltage in a circuit.
- 2 _____ accuracy: The degree to which a meter's reading matches the actual value being measured.
- 3 A prefix indicating one-thousandth of a unit.
- 4 _____ resolution: The smallest increment of change that a meter can detect and display.
- 8 _____ probe: A device used to detect the presence of digital signals such as power, ground, or pulsed signals in a circuit.
- 9 A prefix indicating one million units.
- 10 _____ Limit, a reading on a digital meter indicating that the measured value exceeds the meter's range.
- 11 _____ light: A simple diagnostic tool used to determine the presence of voltage in a circuit.
- 13 A type of digital meter specifically used for measuring voltage and resistance in circuits.