

**HEAVY-DUTY
LOGIC PROBE
WITH COIL CORD**

Features:

- Indicates ground, power (3V up to 26V), and frequency
- Tests fuel injectors, solenoids, presence of serial data, and tach reference signals
- Checks outputs of MAF, Cam, Crank, Hall Effect, and VRS sensors
- High impedance input compatible with computer circuits and sensors
- Prevents unintentional deployment of the air bag
- Works on 6V, 12V, and 24V systems
- Coil cord expandable to 12 ft
- Clear molded handle with stainless steel probe
- Insulated color-coded clips

Using the Logic Probe

1. Connect the BLACK ground clip to a good vehicle ground or negative battery terminal.
2. Connect the RED power clip to the positive terminal of the vehicle battery.
3. Touch the tip to the circuit under test.
 - a. If only the GREEN LED illuminates than the probe is touching an electrical ground or a logic Low signal (below 2V).
 - b. If only the RED LED illuminates than the probe is touching an electrical power or a logic High signal (above 3V). Examples are +12V power, +5V computer power, a TPS output in the open throttle position.
 - c. If both LEDs are blinking, or one LED is on and the other LED is blinking than the probe is touching a low frequency circuit. Examples are fuel injectors, solenoids, and most sensors.
 - d. If both LEDs appear to be on than the probe is touching a high frequency signal, such as an output of a high frequency MAF sensor. The LEDs turn on and off so fast, that the eye perceives them to be on all the time.
 - e. If both LEDs are off than you have one of the following conditions:
 - * RED, BLACK, or both clips have a bad electrical connection
 - * The probe has a bad electrical connection
 - * The circuit is not powered or is an open circuit
 - * The tested voltage is between 2V and 3V (between the logic levels)

This product has two replaceable parts: the **Coil Cord/PCB Assembly** and the **Handle/Probe Assembly**. Have the model number of your product ready when calling to order repair parts.