

**Purpose:** Most TV problems are created by low voltage conditions at the TV (load) side of the system. The PDI 138-001 tap allows measurement of line voltage in a coax powered television system WHILE the TV is powered ON and drawing current.

- Use:**
1. Open the coaxial cable at a convenient point. Typically, the tap is inserted at the connection made in the suspension arm nose. Alternately, a connection at the wall plate where the cable enters the room will also work.
  2. Connect a set of meter probe leads to the banana terminals at the bottom of the tap. Black is ground or shield potential. Red is the coax cable's center conductor.
  3. Be sure the TV is turned ON before measuring voltage. When the TV is turned ON, a properly installed coax-powered TV system will show a voltage drop of roughly 2 to 3 volts depending upon coax length. The 9" TV operates between 20 and 35 VAC or 18 to 40 VDC. Voltages less than those specified will result in erratic operation.



**WARNING:** Fire or shock hazard present when the tap is installed in a powered coax!

