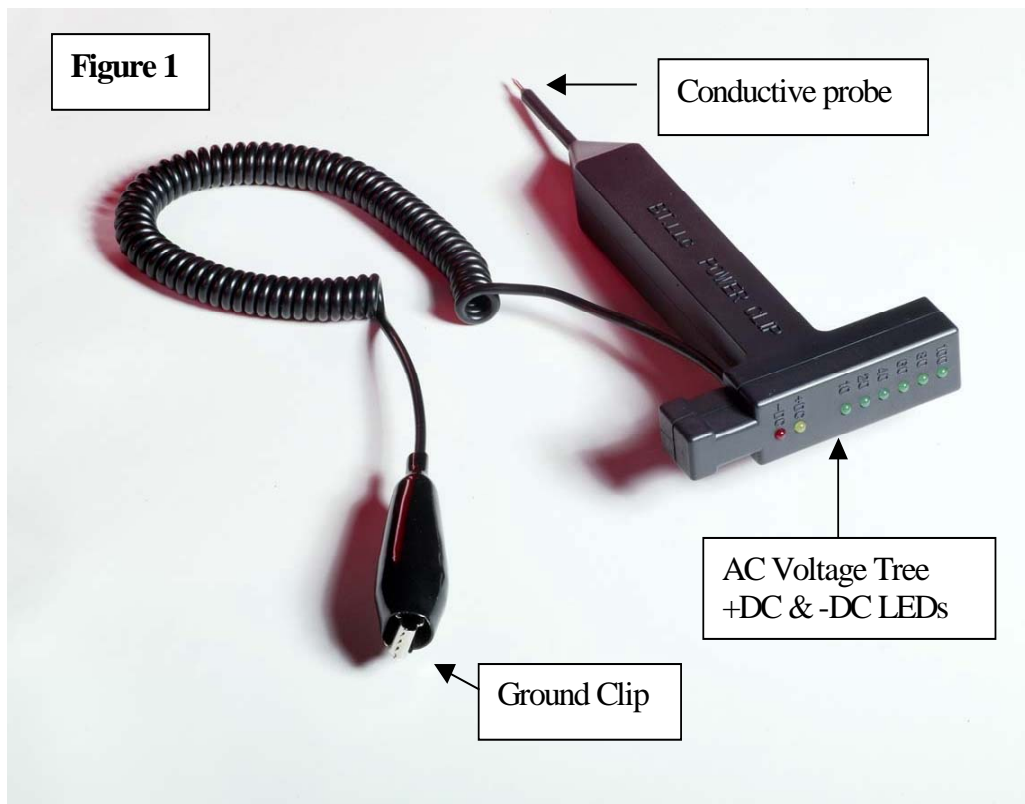


Users Guide – Power Clip™

1.0 General Product Information

Power Clip™ is designed to provide simple, one handed voltage measurements, between 10 & 100Vac. Power Clip™ also measures and indicates if positive or negative DC voltage is present. High intensity LED's illuminate the different voltage levels to provide for easy identification of the voltage potential. Figure 1 labels several points of interest on the Power Clip™.

The product is designed for use on CATV power passing taps, line amplifiers, RSU's, coaxial cable and other areas where voltage might be present.



2.0 Required Materials

- Power Clip™

3.0 Measurements

Begin by attaching the ground clip to any known ground connection: including but not limited to the housing of power passing taps, line amplifiers, trap units, F-fittings, etc.

Insert the conductive probe into the area in question to determine if voltage is present. If AC voltage is present, the 'green' LEDs will illuminate accordingly. If DC voltage is present 'yellow' LED illuminates when positive DC voltage is present. The AC voltage tree will show the approximate level of positive DC present at the point of interest.

During negative DC measurements the 'red' LED illuminates. However, the AC voltage tree will not indicate the approximate level of DC voltage present. If the negative level is required, simply reverse the Power Clip™ connections. By reversing the polarity of the ground clip and probe, the Power Clip™ will display a positive DC value and the approximate voltage level via the AC voltage tree.

Figures 1a & 1b illustrate Power Clip™ in used to quickly detect voltage.



Fig. 1a: Power Clip™ inside trunk line amplifier



Fig 1b: Power Clip™ inside power inserter.

4.0 Storage

The Power Clip™ product was designed for convenient storage when not in use. Simply attached the ground clip to the lower portion of the voltage tree (Fig 2)



Fig. 2