

# TEK 6042 AC/DC CURRENT PROBE

## CAUTION:

1. ONLY USE WITH INSULATED CONDUCTOR. (The probe's sensor is not insulated and a short to ground will result.)
2. Probe is fragile!! Do not drop or handle roughly.
3. Do not measure currents exceeding 10A.

Specifications: Current range: 1mA to 10A. Frequency response: DC to >50MHz. Risetime: < 10ns.

1. Degauss the probe often for accurate DC measurements - especially upon turn-on and after switching to the low-current ranges.

To degauss: Slide the probe closed and insert into the front-panel receptacle; "Probe Unlocked" light should be off. Press the "degauss" lever for one second and release. The probe may now be removed for use.

2. Center the trace of the oscilloscope channel to be used. Connect the output of 6042 to the scope input with a BNC cable. Use a 50-ohm terminator for best performance. If the 50 ohm terminator is used, set scope to 50mv/div. If the 50-ohm terminator is not used, set scope to 100mv/div. In both cases the scope will display current as selected by the Current/Div switch on the 6042 front panel.

3. Slide the probe open and clamp over an **insulated** conductor. Slide probe closed; "Probe Unlocked" light will go off. With the measurement current at zero, adjust the "Output DC Level" and the "Current/Div Balance" controls to re-center the scope trace. Measurements can now be made.