

# Belktronix

## Mounting Instructions for XBM E-Meter Adapters

Rev 1.0 12/05/06

Thank you for your purchase of this low cost Pre-scaling Adapter. Installing the Adapter is a reasonably straightforward following the steps outlined here:

1) Using the 2 wires on the BPAK side of the Adapter, check to see if the wire length of the Adapter will reach the battery pack + and - terminals (the most positive and negative of the battery pack). Use the Orange wire for the + and the Black wire for the -. Temporarily tape the wires in place if needed to hold the wires. Now check if the wire length on the XBM side will reach the E-Meter terminals. Red wire for + and Black wire for the -. If this is the case, skip step 1A.

1A) If the wire length supplied with the Adapter is not adequate, add more wire to the Adapter using crimp terminals or solder splices. You can add wire to either side of the Adapter in order to have sufficient length for installing the unit. Insulate any crimps or splices carefully from the vehicle chassis.

2) Locate a 1-inch flat area on the vehicle chassis for the Adapter to be mounted with the self-stick tape. For metal surfaces and some plastics, clean the surface with rubbing alcohol. (Note: when cold or dampness is present, it will be necessary to pre-heat the area to help with the adhesive process). Carefully peel back the green-checked tape, exposing the sticky tape underneath. Place on cleaned surface and press down. Adapter should not come back off with light movement of the case. Be sure wire leads are not strained and pull the Adapter off the mounting location.

3) Twist the wires on the XBM side of the Adapter together to improve noise immunity. Wire the XBM side first, according to the XBM E-meter manual, Black to - terminal of the XBM meter, Red wire to + terminal of the XBM meter.

4) Wire the BPAK side of the Adapter to the battery pack as shown in the instructions of the XBM manual, Adapter section, Orange wire to the battery + terminal, Black wire to the battery - terminal (the most positive and negative of the battery pack).

5) With the Adapter fully wired in, apply power to the E-Meter. Follow the instructions on changing the scaling factor to suite the Adapter, using the highest scaling function (largest) available for the E-Meter. Note that some other E-Meter features are changed as well and verify if they meet your specific requirements.

6) The E-Meter should now reflect the actual voltage at the battery pack.