

## Technical Note

### PROsine

512-0092-01-01 Rev 1

# Link 2000 Monitoring Only One Battery Bank

## Overview

The Link 2000 is designed to monitor two battery banks, but can be installed to monitor only one bank if the system requires it.

The attached wiring diagram shows how to install a Link 2000 for single bank monitoring. In this system only half of the shunt is used, and the Link voltage and current sense leads are paralleled so that the single battery bank is being monitored twice by Link. The engine start portion of the diagram is optional.

## Installation

Only 4 wires need to lead from the Link to the battery bank—a twisted pair for sensing current, a voltage sense wire also supplies power to the meter, and a ground wire.

The dual shunt gets installed on the negative side of the battery bank. All load and source connections that are presently made to the negative side of the bank need to move to the ground (load) side of the shunt so that all current flowing in/out of the bank can be measured by the shunt. Refer to the terminal strip on the wiring diagram. Starting at the bottom, a black wire needs to be run to one of the small screws on the ground side of the dual shunt.

The WHITE wire powers the Link's digital display backlighting. This wire can be jumped to the red wire and powered all the time, or can be fed by another source of DC that is used to power other instrument lights.

The RED, BLUE and VIOLET wires should all be jumped together and one blue wire run to the positive side of the battery bank. This wire will provide voltage reference signals for the Link and power to the Link. It should be fused at the battery at 2 amps.

The GREEN and BROWN wires should be jumped together and the ORANGE and YELLOW wires should be jumped together. One orange/green twisted pair wire should then be run to the battery shunt and connected as shown in the diagram.

When programming the Link, set-up the same parameters for both bank 1 and bank 2.

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Contact information:

**Phone:** 1-800-670-0707 (toll-free in North America)

**Fax:** 1-604-420-2145 (outside North America)

**Email:** [CustomerService@xantrex.com](mailto:CustomerService@xantrex.com)

**Web:** [www.xantrex.com](http://www.xantrex.com)