

LINKPRO AND LINKLITE BATTERY MONITOR DATASHEET



BATTERY STATUS AT A GLANCE

Defining the amount of energy available in a battery is a complex task since battery age, discharge current and temperature all influence the actual battery capacity. High performance measuring circuits, along with complex software algorithms, are used to exactly determine the remaining battery capacity. A new shunt selection feature enables the LinkPRO and LinkLITE to measure currents up to 10,000 and 1,000 amps respectively.

The LinkPRO and LinkLITE selectively displays voltage, charge and discharge current, consumed amphotours, remaining battery capacity and the LinkPRO also displays the time remaining of your battery bank. Using a clear backlit LCD Display and an intuitive user interface, all parameters can be recalled with just a button press. A second battery input is also provided to monitor voltage on a second battery bank.

The LinkPRO and LinkLITE are equipped with an internal programmable alarm relay, to run a generator when needed or to turn off devices when the battery voltage exceeds programmable boundaries.



Read Your Battery Bank Like a Fuel Gauge



Large Backlit LCD Display



Displays Voltage, Current, Consumed Amphotours and Remaining Battery Capacity



Splash Proof Frontpanel

APPLICATIONS:



**2 YEAR
WARRANTY**

www.xantrex.com
CUSTOMER CARE: 1.800.670.0707



LINKPRO ISOMETRIC VIEW



LINKLITE ISOMETRIC VIEW

PRODUCT FEATURES

- Provides critical information about the status of your battery bank
- Secondary battery bank voltage monitoring
- Auto sensing battery voltage inputs
- Quick nut mounting construction
- Programmable alarm relay
- Shunt selection capability enables flexible system integration
- 500 Amp shunt included
- CE and e-mark certified

LINKPRO ADDITIONAL PERFORMANCE FEATURES

- Displays time remaining
- Communication/expansion port
- Stores a wide range of history events in internal memory
- Advanced programmable alarm relay
- Battery temperature sensor input

LINKPRO ACCESSORIES

Mfg Part #	Description
854-2022-01	Temperature Sensor -32ft (10m)
854-2019-01	Communication Kit
854-2021-01	Connection Kit -50ft (15m)

LINKLITE ACCESSORIES

Mfg Part #	Description
854-2021-01	Connection Kit -50ft (15m)

NOTE: Contact Xantrex or your dealer to order these accessories.

ELECTRICAL SPECIFICATIONS

	LinkPRO	LinkLITE
Supply Voltage Range	9 – 35Vdc	9 – 35Vdc
Supply Current*		
@ Vin = 12Vdc	9mA	9mA
@ Vin = 24Vdc	7mA	7mA
Input Voltage Range		
Main Battery	0 – 35Vdc	0 – 35Vdc
Auxiliary Battery	2 – 35Vdc	2 – 35Vdc
Input Current Range	-9999 – +9999A	-999 – +999A
Battery Capacity Range	20 – 9990A	20 – 999A
Readout Resolution		
Voltage (0 – 35V)	±0.01V	±0.01V
Current	0 – 199A (±0.1A)	0 – 99A (±0.1A)
Current	200 – 9999A (±0.01A)	100 – 999A (±0.01A)
Amphours	0 – 199Ah (±0.1Ah)	0 – 99Ah (±0.1Ah)
Amphours	200 – 9999Ah (±0.01Ah)	100 – 999Ah (±0.01Ah)
State-of-charge	±0.1%	±0.1%
Time-to-go (0 – 99hrs)	±1min	N/A
Time-to-go (100 – 240hrs)	±1hr	N/A
Temperature (-20 – +50°C)	±0.5°C	N/A
Voltage Measurement Accuracy	±0.3%	±0.3%
Current Measurement Accuracy	±0.4%	±0.4%

GENERAL SPECIFICATIONS

	LinkPRO	LinkLITE
Operating Temperature**	-20 – 50°C	-20 – 50°C
Battery Monitor Dimensions		
Front Panel	ø 2.54" (64mm)	ø 2.54" (64mm)
Body Diameter	ø 2.05" (52mm)	ø 2.05" (52mm)
Total Depth	ø 3.11" (79mm)	ø 3.11" (79mm)
Shunt Dimensions		
Footprint	1.77 x 3.43" (45 x 87mm)	1.77 x 3.43" (45 x 87mm)
Height	0.67" (17mm) base / 1.38" (35mm) terminal bolts	0.67" (17mm) base / 1.38" (35mm) terminal bolts
Weight		
Battery Monitor Weight	0.21lb (95g)	0.21lb (95g)
Shunt Weight	0.32lb (145g)	0.32lb (145g)
Part Number	84-2031-00	84-2030-00

REGULATORY APPROVALS

EMC Directive 2004/108/EC (EN61000-6-2 and -6-3). Automotive EMC Directive 95/54/EC. RoHS Directive 2002/95/EC

Specifications subject to change without notice.

*Measured with backlight and alarm relay turned off.

**Only available when optional temperature sensor is connected.

***Depends on selected shunt. With standard delivered 500 A / 50 mV shunt (350 A continuous), the range is limited from -600 – +600A.

CONTACT

CUSTOMER SERVICE

1.800.670.0707

customerservice@xantrex.com

Hours of operation:

6:30am - 4:30pm PST, Monday to Friday



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