

LINK UP INTELLIGENT BATTERY SENSOR 12V Generation II

KEY FEATURES

- ✓ Accurate measurement of battery voltage, current and temperature parameters
- ✓ Determination of the battery state of charge (SOC), state of health (SOH) and state of function (SOF) condition parameters
- ✓ Simple mechanical mounting and connection to NMEA 2000®
- ✓ Configuration of the Sensor via NFC interface possible



IBS BENEFITS

The intelligent battery sensor (IBS) informs you about the current energy status, allowing you to plan your energy supply.

The intelligent battery sensor (IBS) is the key element of the vessel's energy management.

The IBS reliably and accurately measures the battery voltage, current and temperature parameters. Information on the state of charge (SOC), state of health (SOH) and state of function (SOF) of the battery is calculated algorithmically using these measurements.

By using the intelligent battery sensor, the energy management system can react quickly in case of critical battery state and influence both consumer behavior and the alternator.

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TECHNICAL DATA

Operating voltage	6 – 18 V
Operating current (permanent)	± 200 A
Maximum current	± 1500 A (500 ms)
Protection class	IP 6K7
Power consumption	≤ 10 mA (normal mode) ≤ 200 µA (sleep mode)
Max battery capacity	500 Ah
Supported battery types	Gel, AGM, Flooded (Lead)
Output signal	NMEA 2000
Operating temperature	-40°C to 115°C
Grounding bolt	M6
Link Up IBS plug	Hirschmann 872-857-565
LinkUp NMEA2000 plug	DeviceNet M12 5 pins
Flammability	UL94
Compliance	CE, Reach, RoHS

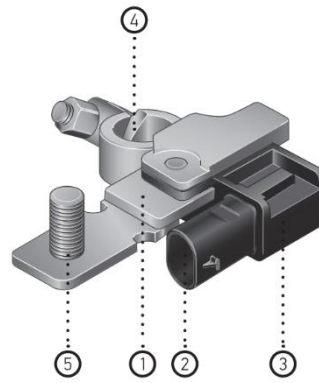


PART NUMBER

PART NO.	VARIANT
B00042502	Link Up IBS 12V Gen. II

DESIGN AND FUNCTION

The IBS is attached directly to the negative pole of the battery via the pole terminal. Alongside the terminal, the mechanical portion of the battery sensor consists of the shunt and grounding bolt. The shunt is attached to the vehicle's load path and is used as a measuring resistor to measure the current indirectly. The ground cable can be conveniently attached to the grounding bolt through the provided battery pole adapter.



1. Sensor shunt
2. Hirschmann plug 872-858-565
3. Sensor module
4. Negative terminal clip
5. Screw-on bolt for battery pole adapter

CONTACTLESS CONFIGURATION

The configuration of the LinkUp devices has never been so easy.

Launch the App and define your settings through the user-friendly interface, then simply hold your mobile device in proximity of the LinkUp to transfer the configuration.



Thanks to the embedded passive antenna the configuration can be done powerless!

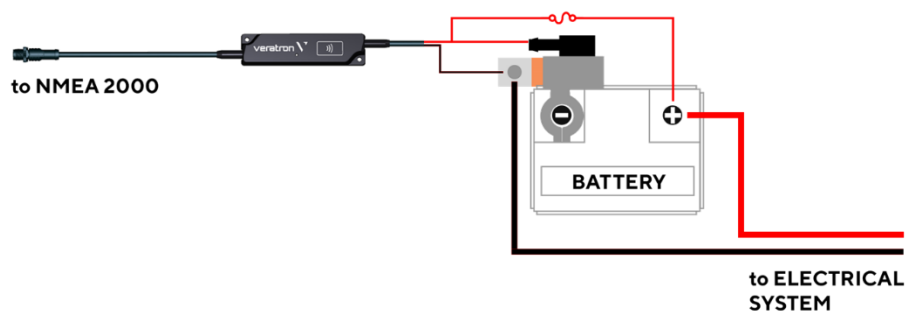


Available on the
App Store



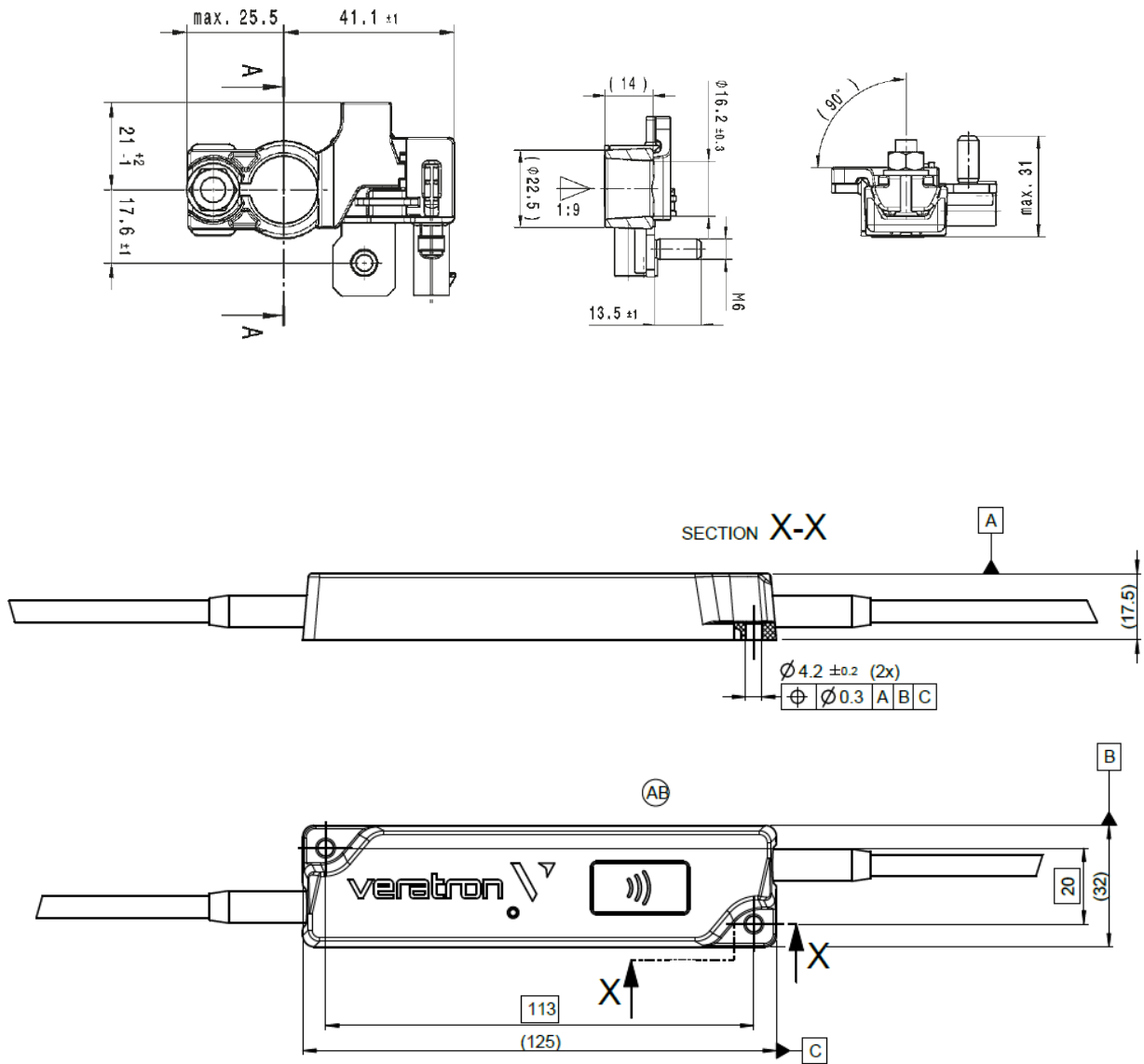
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CONNECTION SCHEMATIC



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DIMENSIONS



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SUPPORTED NMEA 2000® PGNs

Description	PGN
ISO Address Claim	60928
ISO Request	59904
ISO Transport Protocol, Data Transfer	60160
ISO Transport Protocol, Connection Management	60416
ISO Acknowledgment	59392
NMEA - Request group function	126208
Heartbeat	126993
Configuration Information	126998
Product Information	126996
PGN List - Received PGNs group function	126464
DC Detailed Status	127506
Battery Status	127508
Battery Configuration	127513

Veratron AG
Industriestrasse 18
9464 Rüthi, Switzerland

T +41 71 7679 111
info@veratron.com
www.veratron.com

Rev.AA

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