

Assembly

Location of the device shall enable connection of terminals without their damage.

Additional terms

While welding, during the repair of a vehicle, disconnect the power connector and periphery from the device. Power supply shall not exceed 36 V. Otherwise the device may be out of order.

Transportation and storage

The device shall be transported in the transport packaging of the manufacturer by all types of enclosed land and sea transport (railway cars, containers, enclosed vehicles, holds, etc.). Transportation by plane is also allowed in airtight heated compartments.

Additional terms

- acceptable level of shock loads: shock with 2-5 g acceleration at 5-10 ms pulse duration;
- relative air humidity up to 80%;
- air in storage premise shall not contain aggressive impurities, dust, grease, moisture, etc.

Safety requirements to device installation and maintenance

While installing the device, take organizational and technical measures to ensure work safety for control equipment, auxiliary equipment and consumables.
Technical staff installing the device as well as the staff in charge for the equipment on site shall bear responsibility for compliance with safety measures.
To prevent damage, store the device in shockproof packaging. Turn off power supply before maintenance.

Manufacturer

RPE "DISCOVI SYSTEMY" LTD

03061, Ukraine, c. Kyiv,
Vidradny ave., 95-C
phone +380 44 507 02 07
fax +380 44 502 02 02

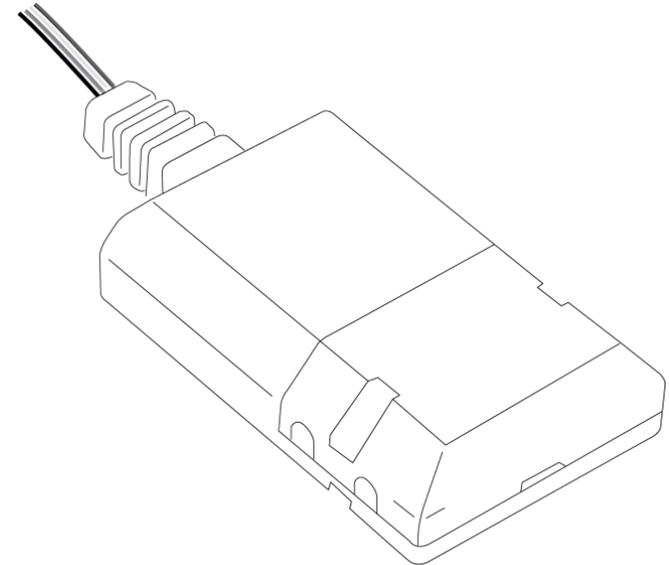
<http://bitrekgps.com>

Made in Ukraine



Technical datasheet

Bitrek CANReader



Version 2018.04.1.

Purpose

The Bitrek CANReader is designed for non-contact reading of data from a CAN-bus of a vehicle. The connection occurs without a direct incision in the wires of the CAN-bus signal lines, without violating the integrity of the insulation of the electric wires of the vehicle. The principle of operation of Bitrek CANReader is based on the reading of the electromagnetic field, which is formed around the wire when the signal passes, with the subsequent transfer of data to the tracker.

Delivery set

1. Bitrek CANReader– 1 pcs.
2. Technical datasheet – 1 pcs.
3. Warranty certificate – 1 pcs.

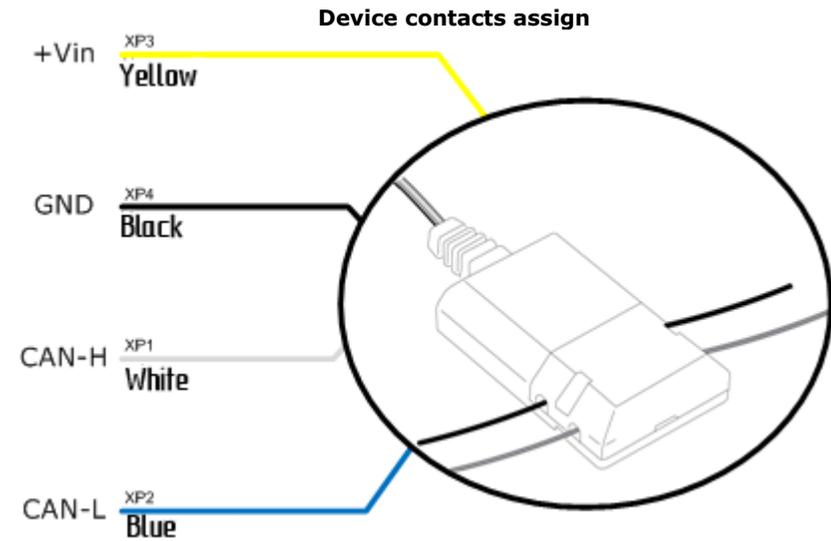
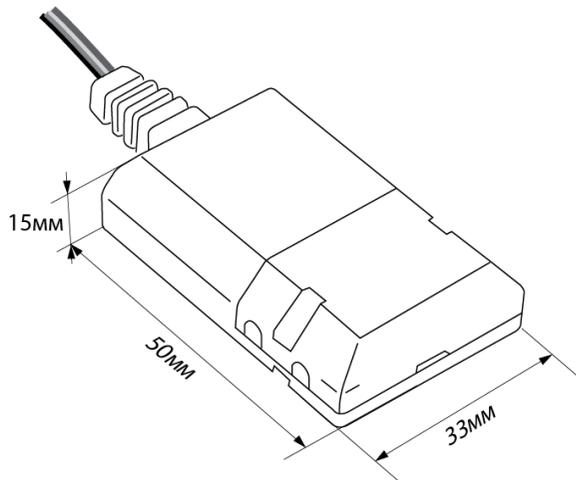
Operating conditions

- ambient temperature from -40 °C to +80 °C;
- relative air humidity up to 80 % at +25 °C;
- atmospheric pressure from 84 kPa to 107 kPa (from 630 to 800 mmHg)

Specifications

Parameter	Characteristic
Power supply	From 6 V to 36 V
Current consumption	20 mA
Interface	CAN (FMS)
Operating temperature range	from -30 °C to +80 °C
Relative air humidity	80±15 %
Dimensions (L x W x H)	50 × 33 × 15
Housing protection class	IP44
Weight of the device	50 g

Appearance and design of the device.



Name of contact	Type of signal	Contact element assignment
GND	Power	Power GND
CAN L	Input\output	«CAN_L» signal of CAN-BUS
+ Vin	Power	"+" of on-board power supply
CAN H	Input\output	«CAN_H» signal of CAN-BUS