

**PROFI POWER**

# LCD Battery Control

## Instruction Manual

### of LCD Battery Tester series



LCD Battery monitoring for  
all kinds of 12V and 24V lead acid batteries

One unit, three Options  
Switch mode  
Backlight mode

**PP BT-124LCD**

**GB**

Battery Control

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Instruction Manual of

**LCD Battery Tester series**

Model No. BT-124LCD

Art. Number 2.913.900

LCD Battery Control



LCD Battery monitoring for  
all kinds of 12V and 24V lead acid batteries

One unit, three Options

**1**

Switch mode  
Backlight mode

**Caution:**

**BT-124LCD is designed for using with 12V or 24V all kind of lead acid battery. It is not recommended to use in other kind of re-chargeable dry cell battery.**

**General Safety Caution:**

We the axhess GmbH & Co. KG are not liable for any damages and consequences resulting from:

1. Connection and installations errors.
2. Damage to the device due to mechanical influences or voltage surges or any modification to the device.
3. Any unauthorized manipulation to the product leads to cancellation of the Warranty.
4. Use of the device for purposes other than described in the instruction manual.
5. Any influence of fluids.
6. Do not use the device in a damp or wet environment.
7. Do not use or store the device close to flammable material.
8. Do not use the device in an environment with explosives.
9. During the product in use:
  - Make sure the device is always positioned in a safe place.
  - The device must be placed out of reach of children.
  - Do not expose the device to direct sun light or other heat solutions.
10. Cleaning: -Do not use any liquid cleaning product. -Do not use any inflatable cleaning product. -Do not submerge the device into liquid or spill any liquids over it. -If needed, clean the device with a light damp, soft cloth.

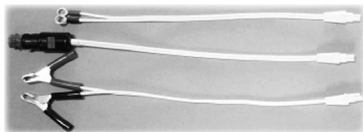
**Warning:**

1. It is not a toy graded product. Please keep children away of this product.
2. This product contents fragile portion, please place it at a safety, dry area after use.
3. BT-124LCD should be used with the special cables which packaged together with the unit.
4. Do not try to adapt other cables with the product.
5. There are no replaceable components inside the product.
6. Do not try to re-open the unit for repair. You can not open the product with out damage the item.
7. In case the product has found malfunctioned, please consult to your retail dealer.

**CABLE ACCESSORIES:**

3 sets detachable cable accessory are included with the BT-124LCD main unit

1. Cable with eyelet terminals, for permanently attaching to motorcycle battery.
2. Cable with Cigar lighter plug, for connecting the battery via car lighter socket.
3. Cable with alligator clips, for connecting the positive post (Red color) and negative post (Black color) of the battery directly.



Do not cut, do not extend the cables !

Defective cables must be replaced immed. Ask your dealer for spare cables in case of defective cable.

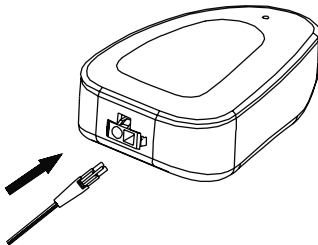
BT-124LCD is contented 3 sets connect cable, which is designed for easier adapting to any methods of battery connection. Do not try to attach the unit with the cable set other than this 3 connecting cables.



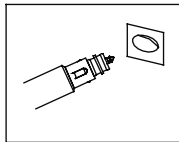
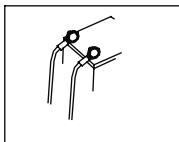
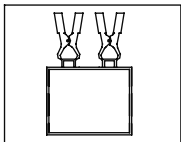
1. Cable with eyelet, for permanently attaching to motorcycle battery or other seasonal in use batteries .
2. Cable with Cigar lighter plug, for connecting the battery via car lighter socket.
3. Cable with alligator clips, for connecting the positive post (Red color) and negative post (Black color) or the battery directly.

#### **Steps of operation: BT-124LCD**

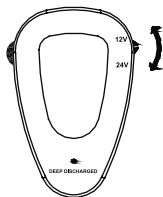
1. Connect the cable harness to BT-124LCD.



2. Connect the battery with the cable set which come with the Battery Tester unit.



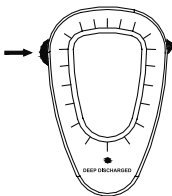
3. Select the appropriated battery voltage ( 12V oder 24V )











4. The 4 digits battery voltage is appeared on the display.

Please read the explanation of symbols at the back side of main unit.

5. Press the button for back illumining of display, if necessary.



6. In some case, the LCD meter of BT-124LCD will not be appeared if the battery voltage is as low as 5.0V.
7. While LED of "Deep discharged" is illumined steadily. It means the battery is being deep discharged or defected.
8. The battery is requested to be re-charged immediately or have the battery replaced.

	The battery at Poor situation, it needs to be re-charged prior to use
	The battery at Fair situation, it needs to be re-charged but still can be used in short period
	The battery is Fully charged, it is ready to use.
	It is indicated the charging system or the car alternator which connects to battery is working properly.
	It is indicated the charge is still ongoing, but the battery is getting full very soon.
	The battery is probably being overcharged.
<b>ER</b>	The battery is out of the range or it has been damage seriously
 DEEP DISCHARGED	The battery is detected under 11.0V. The battery is requested to be charged immediately prior to use.
 DEEP DISCHARGED	The battery is detected lower than 5.0V. The battery is requested to be charged immediately prior to use, or have the battery replaced.

**Remark:**

The LED and LCD would not be operated when the battery's voltage detects as low as 4.0V. This is recognized as a defected battery.

**Warranty:**

The device is subject to the general warranty conditions of axhess GmbH & Co. KG which applies only to manufacturing and material defects. Should the device be defective, please return it to the place of purchase.

For warranty work and services please include the copy of Receipt with purchase date, reason for reclamation, short cut description of problem. The warranty time is 24 months. It starts with the date of purchase. (Keep your receipt) Warranty is only available to the first buyer of this product.

**Recycling Packing:**

The packing can be recycled. Please put the packing material only into the respective recycling bins. Disposal of the device: Once the device cannot be used anymore, please take it to the appropriate collection points pursuant to the applicable laws / regulations. If you are not sure where to take it, please contact the respective recycle centre or the communal authorities. **DO NOT PUT THE PRODUCT IN THE REGULAR GARBAGE COLLECTION!!**



**Technical Data:**

Article Description	BT 124LCD Battery Tester, Battery Control
Art. Nummer	2.913.900
hinput Voltage	12V oder 24V
Select Voltage	Switch to 12V or 24V
Display working range	5,0V bis max. 39,9V
Accuracy	+ - 0,1V
Permanent Voltage absorbtion	5,9 mA bei 12V oder 11,6 mA bei 24V
Automatie shut down	5,0V und kleiner die LCD, 3,0V und kleiner, die LED.
Tempreatur range	von -10°C bis max. 45°C
Measurement	30 x 88 x 60 mm ( H x L x W mm)
Produet Weight Lenght of eyelet terminal cable	0,058 kg 38 cm , Kabel mit Ringösen 43 cm , Kabel mit 12V Stecker 42 cm , Kabel mit Alligator Clips
Fuse	No fuse
IP Class	20
Lifetime of back up Light	30.000 hrs ( bulb not replaceable )

**Declartrion of Conformity:**

We the, axhess GmbH & Co. KG,D-53547 Hausen  
 declare in our own sole responsibility, that the  
 product LCD Battery Control, BT-124LCD,  
 Item Number 2.913.900  
 is refering to this decalation, is in accordance with the  
 EU Directive  
 2004/108/EC  
 EN 6 1000-6-3 : 2007  
 EN 6 1000-6-1 : 2007  
 Hausen, 01.06.2008, Axel Hess, General Manager.

# LCD Battery Control

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Modell Nummer BT-124LCD

LCD Battery Control

Art Nr.: 2.913.900

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