

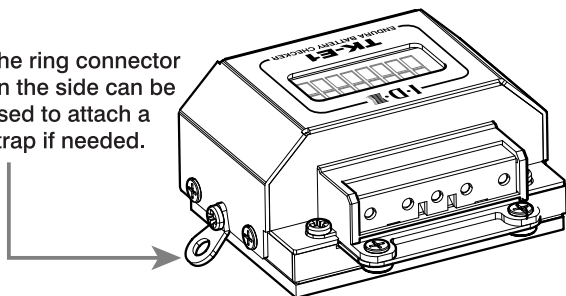
# TK-E1 ENDURA Battery Checker



## Instruction Manual

IDX Technology thanks you for choosing the TK-E1 and is sure that you will benefit from its innovative features. The TK-E1 battery checker is designed exclusively for the use with IDX ENDURA System batteries and will display Digital Data direct from a compatible ENDURA battery on its LCD display. Please note the TK-E1 can only be used with IDX ENDURA System batteries. Please utilize this instruction manual to best maximize and safely use your TK-E1. If you have any additional questions, please contact the appropriate IDX office or visit our website [www.idx.tv](http://www.idx.tv)

The ring connector on the side can be used to attach a strap if needed.



### Specifications

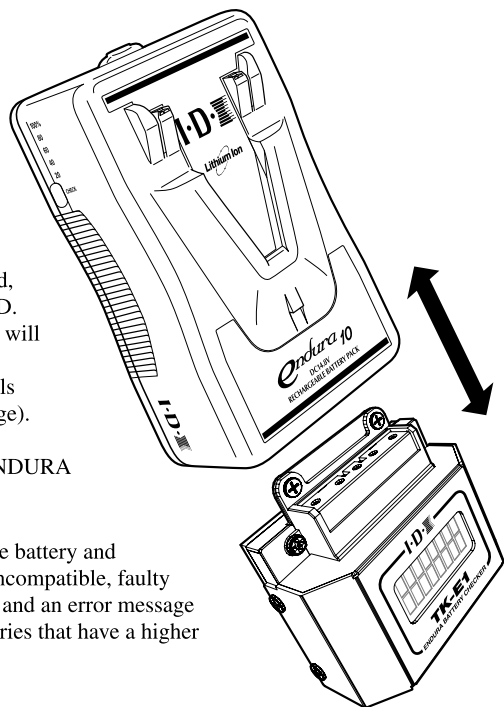
- Compatible batteries :  
E-10 & E-7 (All serial numbers)  
E-80 (From Serial No. A 306301)  
E-50 (From Serial No. F 015001)
- Dimensions : 68(W)×32(H)×62(D) mm  
2.68(W)×1.26(H)×2.44(D) inches
- Weight : approx. 110 g / 0.34 lb

### Instructions

- ① Hold the TK-E1 securely with one hand while holding the ENDURA battery with the other hand. Align the battery with the TK-E1 and insert battery from the top as shown in the illustration. Please note that the battery will not lock on to the TK-E1 and that it is necessary to hold it in place during operation.
- ② Once an ENDURA battery is correctly connected, battery data is immediately displayed on the LCD. Data content is shown across 8 pages; each page will be displayed for 5 seconds with the next pages automatically scrolling down at 5 second intervals (please refer to "display content" on the right page).
- ③ When the data check is complete, remove the ENDURA battery from the TK-E1.

\* To avoid battery terminal damage, be sure that the battery and TK-E1 are correctly aligned before connection. Incompatible, faulty or over-discharged batteries will not display data and an error message will be displayed. Connecting incompatible batteries that have a higher voltage than 16.8V may cause damage.

**Please use compatible batteries only.**



### Data Display Content

Each data page will be displayed for approximately 5 seconds with the next pages automatically scrolling down at 5 second intervals. A complete data check cycle will take approx. 40 seconds & the back light remains illuminated for 80 seconds (equivalent of 2 full viewings). In order to prevent continuous battery consumption the TK-E1 will turn off automatically approx. 5 minutes after connection. However please avoid leaving the TK-E1 connected as although minimal it still consumes some battery power when left connected.

① Remaining capacity ratio (%)

**Status**  
100%

② Current Capacity (Wh)

**Capacity**  
98Wh

③ Battery Voltage (V)

**Voltage**  
16.8V

④ Version No Cycle count

**Ver 6.2**  
15cyl

⑤ Over-discharge (No.of times)

**Over\_Dis**  
2cyl

⑥ Hi-Loads detected(No.of times)

**Hi\_Load**  
3cyl

\* Battery CPU program version  
Number of discharges (only available at Ver 6.0 and higher)

\* No of discharge times below 11.0V

⑦ First full charge

**First Chg**  
26/2/07

⑧ Serial Number

**Ser No.**  
A123456

Error Message

**read err**

\* From left, Day / Month / Year

### General Notes and Safety

- Do not attempt to open or modify this unit. All work should be carried out by IDX service personnel only.
- Use only IDX ENDURA System batteries that are listed in this manual. Non-compatible, faulty and over-discharged batteries will not display data and an error message will be displayed. Do not use batteries with an input voltage higher than 16.8V.
- Do not expose to, use or place the TK-E1 in direct sunlight, extreme dust, smoke, water or other hazardous conditions.
- To avoid battery terminal damage be sure that the battery and TK-E1 are correctly aligned before connection, if an incorrect connection is made an error message will be displayed.
- In case of breakdown, please contact your IDX dealer or appropriate IDX office.



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