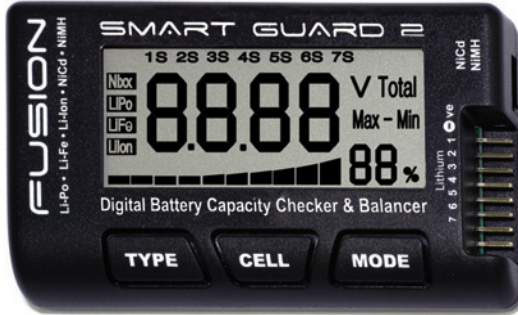




SMART GUARD 2

DIGITAL BATTERY CAPACITY CHECKER & BALANCER



	Li-Po	Li-Fe	Li-Ion	NiCd	NiMH
Input Cells	2~7 Cells	2~7 Cells	2~7 Cells	4~7 Cells	4~7 Cells
Total Voltage	✓	✓	✓	✓	✓
Total / Cell battery capacity (0~99%)	✓	✓	✓	✗	✗
Individual Battery Cell Voltage	✓	✓	✓	✗	✗
Lowest Cell Voltage	✓	✓	✓	✗	✗
Highest Cell Voltage	✓	✓	✓	✗	✗
Voltage Difference Between Highest and Lowest Cell Voltages	✓	✓	✓	✗	✗

OPERATING INSTRUCTIONS

Please keep for future reference

Thank you for purchasing this SMART GUARD 2. We are sure you will be pleased with its performance and features. In order to ensure that you obtain the maximum benefit from its operation, please read these instructions carefully.

FS-BC05



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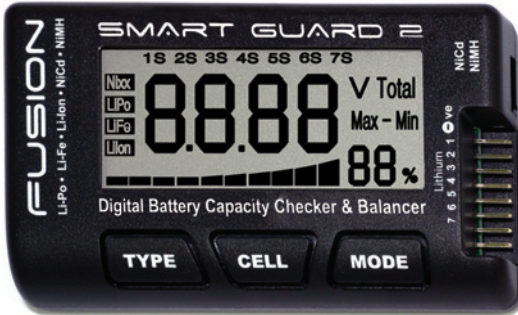
MADE IN CHINA



BATTERY CHECKER LAYOUT

Buttons

1. Battery Type : NiCd/NiMH , Li-Po , Li-Fe , Li-Ion
2. Cell Number : NiCd/NiMH(4~7Cells), Lithium type (2~7 Cells)
3. Display Mode: Battery cell voltages , Total voltages, Lowest cell voltage, Highest cell voltage , Voltage gap between highest cell voltage and lowest cell voltage, Remaining battery capacity (%)

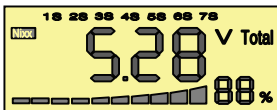


← NiCd/NiMH type BATTERY INPUT

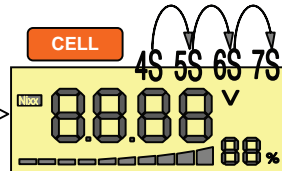
← Lithium BATTERY INPUT
(using balancing connector)

NICD/NIMH TYPE BATTERIES

- Battery total voltage



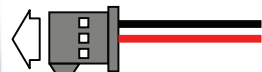
- Set cell numbers.



Total voltages, and remaining capacity(%).

n.b. The capacity estimate for Nixx type cells is not accurate and should not be relied upon.

NiCd and NiMH batteries for the TX and RX (4 ~ 7 cells) can be connected to this capacity checker.



LITHIUM TYPE BATTERIES

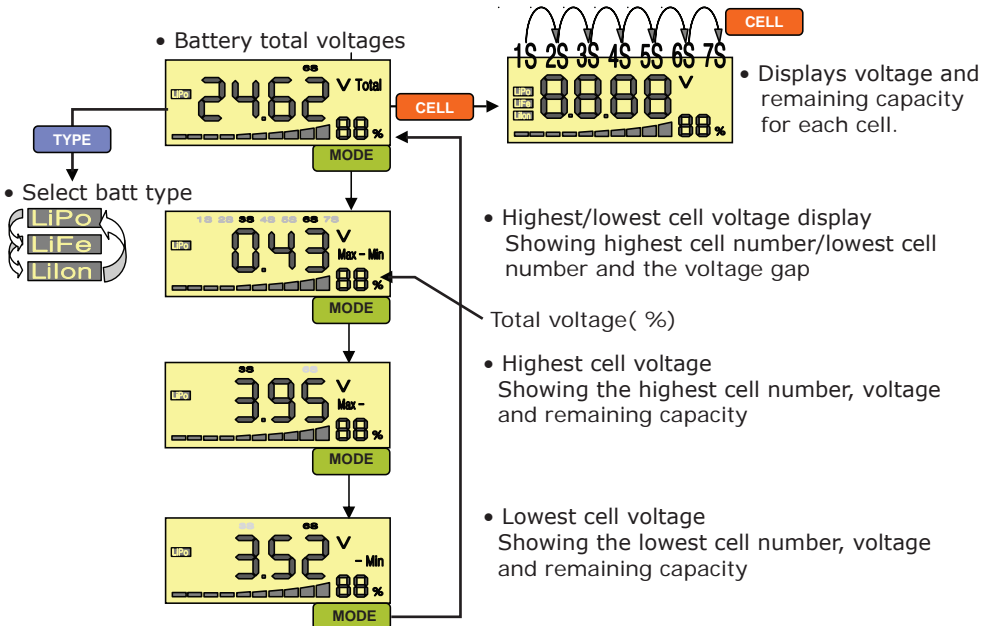
- Connect the balance plug to the battery checker as show below making sure that the negative wire is aligned with the top pin on the balance port.



- JST EH and XH balance connectors can be connected directly to this battery checker.

When using with Thunder Power/Flight Power and Polyquest type batteries, it is necessary to use an adaptor board with lead.

FS-BLEAD	Balance Adaptor Board Lead
FS-BAPQ	Balance Adaptor Board Polyquest
FS-BATP	Balance Adaptor Board Flight Power/Thunder Power



- The Smart Guard 2 will automatically start balancing if nothing is pressed for 5 seconds.
- When all the cells are balanced (within 5mV), the balancing will stop and after 30 seconds the unit will automatically enter sleep mode.

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