



# piranha

OFF ROAD PRODUCTS

## Dual Battery Monitor

For Single and Dual Battery Setups

Operating Instructions

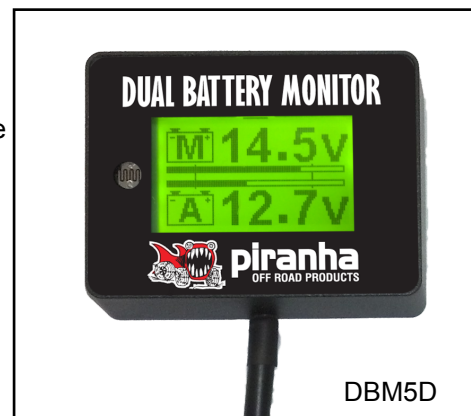
Please read these instructions before use

Model:  
DBM5D

Your new DBM5D Dual Battery Monitor is designed to give you a guide indicating the voltages on your Main and Auxiliary batteries in a dual battery setup or just a main or auxiliary battery in a single battery setup.

### Installation :-

- Mount the unit where it can be comfortably seen in the cabin of the vehicle with supplied hook and loop tape. Please use provided alcohol swab to remove any excess dirt or contaminants and allow to completely dry before applying tape. Apply 30 seconds of pressure to the tape during application and allow 24 hours curing time before mounting the display. Where possible please choose a plastic location for strongest mounting.
- Do not mount near excessive moisture or heat.
- Route cable as necessary to main and auxiliary batteries as required. Extending the cable may be required. (Note: Extra cabling not supplied)
- Connect wires as per the colour cable guide below.
- Unit features auto-dimming feature. Do not block sensor to left of screen for correct operation of dimming feature.
- Care should be taken when installing the unit to optimise the viewing angle for the driver



DBM5D

### Cable Colour Guide



**NOTE : The WHITE wire (Not shown above) is used for factory programming and calibration. It is not to be connected during the wiring and installation of the unit.**

### Technical Specifications:

Input Voltage (DC)	5VDC to 17VDC
High Voltage Warning	>15.00VDC
Low Voltage Warning	<11.00VDC
Current Draw	35mA Running , 0.4mA Standby
Display	Dual 3 Digit Graphical with Bargraph
Accuracy	50mV±
Physical Dimensions	59mm x 44mm x 21mm
Connections	1.5M 4-Core Cable

### Operation :-

The following displays show the normal operation of the device and its warning features for Low Battery and Over Voltage. Note: These are visual warnings only. Unit will not disconnect or connect the system.

Fig. 1 - Over voltage indication

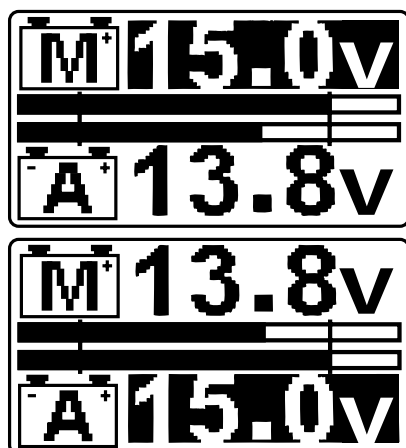


Fig. 2 - Nominal Operation

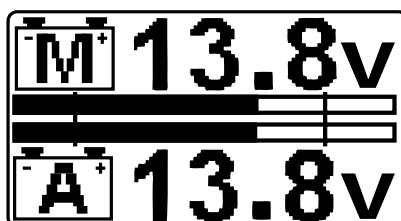
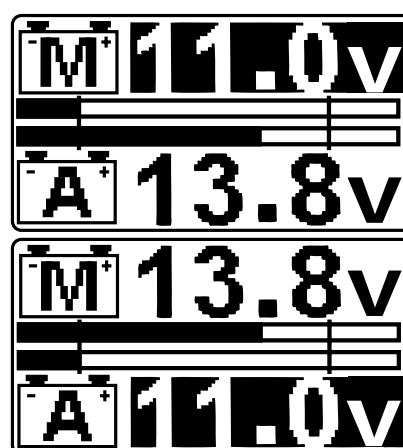


Fig. 3 - Under voltage indication



The product is warranted to be free from defects in materials and workmanship under normal use and service for a period of 24 months from the date of sale. This warranty covers defective parts and workmanship provided that the product is shipped prepaid to the seller within 24 months of purchase of goods. Our products come with guarantees that cannot be excluded under the Australian Consumer Law. The customer is entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. The customer is also entitled to have the products repaired or replaced if the products fail to be of acceptable quality and the failure does not amount to a major failure.



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