

# **BMon U1224** **Battery Monitoring System**

# BazzTec

**The BMon is a universal battery monitoring device. This device facilitates testing the capacity of a group of batteries or a single battery over a broad range of voltages and capacities.**

## Properties

- ❏ The **BMon** is a monitoring device for inspecting the capacity and voltage of battery arrays over a broad range.
- ❏ The **BMon** identifies energy deficiency in the batteries, which could cause non-ignition of the generator when needed.
- ❏ The minimal amount of energy the device specifies as a warning point, will be adapted to the ignition current of the generator in use.
- ❏ The **BMon** conducts periodic tests at predetermined time periods. If a deficiency is diagnosed in the battery, the device will transmit an appropriate warning to the user.
- ❏ The device will identify and adapt itself to work at voltages of 12 or 24 volts, as well as calibrating the test for battery capacities ranging from 50AH to 750AH.
- ❏ The device facilitates calibration setup and adaptation to the data of the system being tested. In the framework of this process measurements, analysis of the results is conducted and the parameters are saved in the internal memory.
- ❏ The calibration process can be conducted during field installation or in advance, prior to reaching the facility.
- ❏ After calibration the device stores the data in its memory, even after disconnection from the batteries.
- ❏ The device can be recalibrated for different battery parameters.
- ❏ The device constantly calculates the energy consumption at every ignition of the generator and updates its calculations to the warning point.
- ❏ The device provides outlets for dry contacts to three warnings + dry contact for a general warning.
- ❏ An immediate test button allows a test measurement to be performed without waiting for the next test cycle.
- ❏ There is a possibility of connecting an external remote display panel (optional at an additional cost).
- ❏ The device is intended for a wide range of applications besides generators: vehicles, fire extinguishment systems, elevators and more.

System voltage that can be tested	12V / 24V
Capacity range for the battery array	50AH - 750AH
Minimal current for single battery at system voltage	12V 150A / 24V - 300A
Types of batteries	Lead acid. Gel.
Output to the transmission of a warning	Dry contact SMS broadcast (optional)
Work temperature	-30 °C - 80 °C
Test frequency of the batteries' capacity	Every 24 hours
Device dimensions (mm)	54mm X 74mm X 164mm
Weight (grams)	450 g



## Warnings

### Check Charger

- ❏ Drop in electricity grid voltage
- ❏ Charger switched off
- ❏ Disconnection of the charger from the battery
- ❏ Battery drained (with low batt.)

### Low Battery

- ❏ A number of unsuccessful ignitions drained the battery (the battery has low capacity and low voltage)
- ❏ Prolonged charging error

### Check Battery

- ❏ Battery is old or damaged
- ❏ The battery is charged but without sufficient capacity
- ❏ The charging cables are faulty
- ❏ Corrosion on the battery's connection terminals



072-8811505



072-6167555



WWW.BAZZTEC.COM



INFO@BAZZTEC.COM