



**ABM18**



**BM63**

## Introduction

A battery is an electrochemical cell that is charged externally to store electrical power. The stored power of the battery is released when it is needed for various applications that could be required for normal day to day working, back-up operations, critical applications or for emergencies. The use of batteries is increasing every day in order to drive / support various applications such as Cars, Motor Cycles, UPS, Generators, Automobiles, Emergency Lights, Solar Power etc.

A battery is expected to always perform flawlessly as per its capacity. However sometimes even new batteries fail and hence periodic testing and maintenance of batteries is required. It is important to also test incoming batteries as a part of the quality control procedure to ensure proper compliance of the supply made by the battery manufacturer. The loss of battery capacity occurs gradually often without the knowledge of the user.

The function of the Battery Meters MECO ABM18 and BM63 is to check the capacity condition of various lead acid storage batteries and to ensure that the supported equipment is adequately backed-up, prevented from unexpected failures and forewarned for any calamity. The battery tester helps to identify the weak batteries so that they can be re-charged or weeded out of the system before they make the complete system unreliable.

## ABM18

MECO ABM18 is a portable Automobile Battery Meter which can check the capacity condition of different types of Motorcycle and Motorcar batteries from 2 to 200Ah.

The product consists of a Load Resistor and Testing Clip. The state of the battery is indicated on the meter dial as 'FULLUP' (White), 'NORMAL' (Green), 'RECHARGE' (Yellow), 'DISCHARGE' (Red) directly.

### Technical Specifications

**Rated Voltage of Battery to be Tested :** 2, 6, 12V DC  
**Rated Capacity of Battery to be Tested :** 2 - 200Ah  
**Dimensions :** 225 x 124 x 68mm (approx.)  
**Weight :** 500gms (approx.)

### Application

MOTORCYCLE	CAPACITY	VOLTAGE	MOTORCAR	CAPACITY	VOLTAGE
50cc	2Ah	6V or 12V	20 - 360cc	20 - 24Ah	6V or 12V
51 - 125cc	6 - 10Ah		500 - 2000cc	30 - 60Ah	
126 - 250cc	9 - 15Ah		2000 - 5000cc	55 - 100Ah	
251 - 750cc	10 - 18Ah		5000 - 8000cc	100 - 200Ah	12V or 12Vx2

## BM63

MECO BM63 is a portable Battery Meter which can check the capacity condition of different types of batteries from 4 to 500Ah.

The product consists of a DC Voltmeter, Load Resistor and Testing Clip. The state of the battery is indicated on the meter dial as 'OK' (Green), 'WEAK' (Yellow) and 'BAD' (Red) directly.

### Technical Specifications

**DC Voltmeter :** 0 - 15V DC  
**Rated Voltage of Battery to be Tested :** 2, 6, 12V DC  
**Rated Capacity of Battery to be Tested :** 4 - 500Ah  
**Dimensions :** 220 x 120 x 70mm (approx.)  
**Weight :** 550gms (approx.)

