

CERTIFICATE OF CALIBRATION

We hereby certify that this product has been calibrated and found to be in accordance with the applicable SPECIFICATIONS and MECO STANDARDS.

Accuracies of the standard equipment used in this calibration are traceable to the National Standards.

MECO METERS PVT. LTD.

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Automobile Battery Meter Model : ABM18



Instruction Manual

1. INTRODUCTION

Model ABM18 is a portable battery meter which can check the capacity condition of different specifications of the car battery and Pb battery for other applications. The 'full', 'normal', 'recharge', 'discharged' are directly indicated on the meter dial, so as to check the quality of the battery visually and rapidly.

2. FEATURES

The meter consists of DC voltmeter, load resistor, casing, testing clip, contactor, etc. On the meter dial, there are different capacity indications that are shown by 4 ranges colored with 'white', 'green', 'yellow', 'red' which indicate the 'full', 'normal', 'recharge', 'discharged' respectively.

A reference plate attached to the front panel of the meter, for customer's reference, indicates the relations between the cylinder capacity of different car engines and the specifications of the battery required.

3. TECHNICAL DATA

Rated voltage of battery tested : 2, 6, 12V

Rated capacity of battery tested : 2 - 200 Ampere hour Dimensions : 210 x 124 x 68mm

Weight : about 0.8kg

4. OPERATION

Before application, inspect whether the pointer is at 'zero' on the left terminal of the scale. If not, turn the 'zero-adjusted' in the middle of meter cover to make the point to 'zero'.

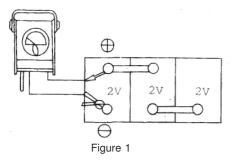
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4.1. Battery Test :

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Connect the clip with the negative pole of battery and connect the red probe with positive pole. When testing, 2V single unit, read the 0-2.5 scale the number shows : the voltage value. (re.figure 1)



When testing 6V battery, according to different capacity, read the six scales pointed by the 6V arrow(the number beside the graduations are the range of battery capacity, for example, 200 ampere hour, etc.), When testing 12V battery, according to different capacity, read the five scales painted by the 12V arrow. (re.figure 2)

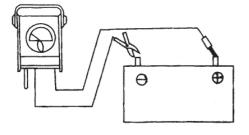


Figure 2

NOTE

When rated capacity of battery tested differs from the reading indicated on the scale, may read the approachable scale : For example, when testing 150 Ampere hour battery, read the 200 (6V) or 100 - 200(12V) scale.

5. CAUTIONS

- 1. Time for each testing no more than three seconds.
- 2. When the electrolyte is insufficient, tt cannot be tested.
- 3. Both the contactor under the left of the casing and the clip are negative poles. The contactor can also be used for testing.

NOTE

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