

### INTRODUCTION

The Metravi BT-900 Battery Analyser with built-in Printer is suitable tools for testing the performance of Starting Automotive Battery (AGM/EFB) lead-acid battery, vehicle start process, charging process and power load process.

The product is well designed and easy to operate. The instrument uses a high definition\* LCD screen with backlight, The test process is simple and the results are clear and intuitive. Test results can be instantly printed using the built-in thermal printer.

The product adopts the four-wire kelvin test connection test and is designed with protection measures for various incorrect operations, such as incorrect connection of input signal line input voltage overload and bad contact of test clamp etc, to ensure and convenient operations.

The Metravi BT-900 is used and are useful in automobile battery production, automobile battery distribution, automobile parts maintenance and other equipment systems involving various types of lead-acid batteries.

It is an ideal tools for testing the performance of lead-acid batteries and AGM/EFB automobile batteries.

### FEATURES

- Battery Voltage
- Battery Capacity
- Cold Start Current
- Internal Resistance
- State of Health
- State of Charge
- Vehicle Starting Load Voltage Test (START-LOAD)
- Battery Maximum Load Voltage Test (RUN-LOAD)
- Vehicle to Battery Charging Voltage Test (CHARGE-SYS)
- Supports AGM/EFB battery start-stop test
- Supports variety of Battery Specifications: CCA, IEC, SAE, EN, DIN, JIS
- Built-in Thermal Printer



\*Technical Specifications & Appearance are subject to change without prior notice

## TECHNICAL SPECIFICATIONS

|                                 |   |
|---------------------------------|---|
| Battery Voltage                 | 12V / 24V   |
| Display                         | 16 bit Colour LCD   |
| AGM/EFB Battery Start/Stop Test | Available   |
| Real Time Voltage Waveform Test | Available   |
| Measuring Range                 | 100CCA - 2000CCA<br>3AH - 220 AH                                |
| Accuracy                        | ±5%   |
| Measurement Mode                | 4 Wire Kelvin Test Principle                                    |
| Operating Voltage               | 9V - 35V  |
| Line Protection                 | Clamping the incorrect battery terminal will not burn the meter |
| Battery-Test                    | Voltage. Internal Resistance. Cold Start Current. SOC. HOC.     |
| Start-Load                      | Vehicle Starting Load Voltage Test                              |
| Run-Load                        | Battery Maximum Load Voltage Test                               |
| Charge-Sys                      | Vehicle to Battery Charging Voltage Test                        |
| Power                           | Powered by the battery under test                               |
| Operating Temperature           | -20° to 60°C (-4° to 140°F)                                     |
| Printer Paper                   | Thermal 30x57mm   |
| Print Report                    | Can input License Plate Number, VIN ID, Time and Date           |



## COLD STARTING CURRENT MEASUREMENT RANGE

| STANDARD  | DESCRIPTION  | RANGE        |
|-----------|--|--------------|
| CCA (SAE) | Cold Starting Current                              | 100-2000     |
| IEC       | International Electrotechnical Commission Standard | 100-1000     |
| EN        | European Industrial Standard                       | 100-2000     |
| DIN       | German Industrial Standard                         | 100-1000     |
| JIS*      | Japanese Industrial Standard                       | 26A17-245H52 |
| ***       | Unknown Standard                                   | 100-2000     |

\*Note: JIS type batteries need to be checked against CCA

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