

INTRODUCTION

The Metravi BT-200 and BT-220 Battery Analysers are 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 are well designed and easy to operate. The instruments use a high definition* LCD screen with backlight, The test process is simple and the results are clear and intuitive.

The products adopt four-wire kelvin test connection test.

Instruments are 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-200 and BT-220 are 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.

They are 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



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

TECHNICAL SPECIFICATIONS

| MODEL / SPECIFICATION | BT-200 | BT-220 |
|---------------------------------|-----------------------------------------------------------------|-------------------|
| Battery Voltage | 12V / 24V | |
| Display | Lattice Screen Backlit LCD | 16 bit Colour LCD |
| AGM/EFB Battery Start/Stop Test | Available | |
| Real Time Voltage Waveform Test | - | Available |
| Measuring Range | 100CCA - 2000CCA 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) | |

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



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