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### TESTING EQUIPMENT

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## BBT 205 BATTERY TESTER

**Testing device with integrated printer for checking battery values and vehicle starter and charging systems.** Using the BBT 205, simple and precise battery and system tests can be completed in seconds by the user without heat generation, sparks or possible misinterpretations. The results can be printed out immediately and examined jointly with the customer, thus enhancing both the effectiveness of preventive maintenance routines and the quality of customer service.



### FEATURES

**An integrated printer provides immediate results for joint scrutiny with the customer.**

- The header on the print-out can be individually defined by the user
- Testing of 12 V batteries and the electrical systems in cars and small transporters
- Testing of the voltage of starter and charging systems and result presentation
- Testing of batteries with cold start current of 100 - 1200 CCA
- Recognition of defect cells
- Reverse polarity protection
- Testing of discharged batteries down to a voltage of 1 V
- Compatibility with various standards systems (CCA, DIN, EN, IEC, SAE)
- Testing of differing battery types: 12V lead acid, AGM (mat) and gel
- 19 languages

### TECHNICAL DATA

**Model:** BBT 205

**Art.No:** 1210000190

**Display:** LCD graphic display

**Temperature compensation:** call up from testing device

**Operating temperature:** 0 °F to 120 °F / -18 °C to 50 °C

**Test range:** 100–1200 CCA, 100–1200 SAE, 100–550 DIN, 100–1200 EN, 100-550 IEC

**Integrated printer:** power supply through the tested battery

**Voltage range:** 12 V batteries with residual voltage down to 1 V

**Cable length:** 21" / 533.4mm

**Power supply:** via the tested battery or integrated 9V battery

**Voltmeter:** 0 to 30 Vdc +/- 0.05 Vdc

**Languages:** 19

**Casing material:** acid-resistant ABS plastic

**Dimensions:** 9" x ----" x 2.5" / 230 mm x 102 mm x 65 mm

**Weight:** 1.16 lb / 499 g



## BT 301 BATTERY TESTER

The BT 301 is a professional device with integrated printer for testing 6 and 12 V batteries.

This tester is suitable for lead-acid batteries and if required, can print out the test results immediately. The display and printouts are available in seven languages.



### FEATURES

An integrated printer provides immediate results for joint scrutiny with the customer.

- Cold start current testing
- Suitable for lead-acid starter batteries
- Areas of application: cars and motorcycles
- Display available in 7 languages
- Compatible with various standards systems (DIN, SAE, EN, IEC)
- Including integrated printer, impact protection and 4 paper rolls

### TECHNICAL DATA

**Model:** BT 301

**Art. No.:** 1210000250

**Battery voltage:** 6 / 12 V

**Operating voltage:** 1.5 – 15 V

**Test range:** 40–2000 SAE, 25–1300 DIN, 40–2100 EN, 30–1500 IEC

**Cold start current:** 40–2000 CCA

**Operating temperature:** 0° C to +50° C

**Dimensions:** 19 x 11 x 4 cm

**Weight:** 610 g

**Cable length:** 80 cm

**Power supply:** 4 x 1.5 V AA batteries

**Languages:** 7



## MILTON BATTERY TESTER

The Milton battery tester supplies test results after only 10 seconds.

Suitable for batteries of up to approx. 100 Ah. For the testing of cold start current, starters and charging circuits. Battery analysis after 10 seconds.



### FEATURES

The Milton tester delivers rapid battery analyses and is simple to operate.

- Completes capacity tests
- For the testing of starters and the charging circuit
- Allows cold start current testing
- Suitable for cars and motorcycles
- For batteries of up to 100 Ah

### TECHNICAL DATA

**Model:** Milton

**Art. No.:** 1210000200

**Battery voltage:** 6 / 12 V

**Discharge current:** up to 100 Ah

**Testing time:** approx. 10 sec

**Dimensions:** 290 x 105 x 75 mm



## MILTON DIGITAL BATTERY TESTER

The Milton digital battery tester delivers test results in just 10 seconds.

The Milton Digital shows the charge status and the state of function (SOF) following a 10-second load. This information is provided by a 3-level LED display on the device.



### FEATURES

The Milton Digital supplies rapid battery analyses and is simple to operate.

- Microprocessor controlled
- Digital display
- Automatic load shutdown after 10 sec.
- Tests the battery and the charger system
- For batteries up to 100 Ah

### TECHNICAL DATA

**Model:** Milton Digital

**Art. No.:** 1210000225

**Battery voltage:** 12 V

**Discharge current:** up to 100 Ah

**Testing time:** 10 sec.

**Dimensions:** 290 x 105 x 75 mm



## FORREX TESTER 12V 420A

**The Forrex Tester supplies precise test results and is simple to operate.**

This device allows the completion of capacity tests and the measurement of cold start current values. The menu can be controlled via a digital display and the test values read off directly. The Forrex Tester is suitable for all types of cars and motorcycles.



### FEATURES

**As compared to other testing devices, the Forrex Tester stands out due to its simple handling.**

- Measurement of cold start current
- RC test (25A, 10.5V final discharge voltage)
- K20 test (in, 10.5V final discharge voltage)
- Indication of terminal voltage and running time during capacity testing
- Display of the results of previous tests
- Up to four devices can be switched together via the integrated RS 232 interface.

### TECHNICAL DATA

**Model:** Forrex Tester

**Art. No.:** 1240001800

**Battery voltage:** 12 V

**Discharge current:** 1– 420 A

**End of charging voltage:** 8.4 / 9 / 9.4 / 10 / 10.5 / 11 V

**Interface:** RS232



## HSP PRINTER

**The HSP printer is a compact, lightweight device with infrared interface.**

The HSP disposes over HP IR, IrDA format infrared interfaces and an RS232 interface. The thermoprinter is maintenance-free and equipped with an automatic off function.



### FEATURES

- Infrared (HP IR, IrDA) and RS 232 interfaces
- High-speed printer with first class resolution
- Noiseless
- Maintenance-free
- Compact and light
- Automatic off function

### TECHNICAL DATA

**Model:** GR 1

**Art. No.:** 1210000130

**Voltage:** 4x 1.5 Volt AA

**Interfaces:** RS232, HP IR, IrDA

**Memory:** 6 Kbytes

**Operating temperature range:** 0°C - +50°C



## MULTIMETER PEN

The Multimeter Pen is a practical all-rounder.

The Multimeter Stift assists the user by means of its simple handling and functions. Measurement and peak value storage, as well as automatic shutdown ensure reduced loads in the workplace.



## FEATURES

The Multimeter Pen provides quick analysis results and is easy to use.

- Measurement value storage.
- Four-digit digital display.
- Peak value storage.
- Automatic shutdown.
- Automatic measurement range selection.
- Continuity test.

## TECHNICAL DATA

**Model:** Multimeter Pen

**Art. No.:** 1210008211

**DCV:** 200m/2/20/200/600V $\pm$ 0.7%

**ACV:** 200m/2/20/200/600V $\pm$ 0.8%

**Resistance:** 200/2k/20k/200k/2M/20M $\pm$ 1.2%

**DCA:** 20m/200mA $\pm$ 1.5%

**ACA:** 20m/200mA $\pm$ 2.0%

**Batteries:** 1.5V(AAA) $\times$ 2

**Dimensions:** 208 $\times$ 38  $\times$ 29mm

**Weight:** 110g including batteries



## F 2200 VOLTAGE TESTER

The F 2200 is digital battery voltage tester.

The F 2200 is suitable for all 12 and 24 V batteries and disposes over a digital display, which is used for immediate measurement value readings.



### FEATURES

The F 2200 supplies rapid analysis results and is easy to use.

- For charge status and controller measurement
- Digital display with red, illuminated characters
- Test connection at the testing point (-) and the testing device (+)

### TECHNICAL DATA

**Model:** F 2200

**Art. No.:** 1210000300

**Battery voltage:** 12 / 24 V

**Dimensions:** 180 x 30 x 18 mm

**Weight:** 70 g