



Banner

THE POWER COMPANY



TESTING DEVICES



BATTERY TESTER BBT-305

Testing device with integrated printer for checking battery values and vehicle starter and charging systems.

Using the BBT 305, 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

- Headline on the printout can be individually defined by the user (e.g. workshop name)
- Testing 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 - 900 CCA
- Recognition of defect cells
- Reverse polarity protection
- Compatibility with various standards systems (CCA, DIN, EN, IEC, SAE)

APPLICATION

Workshop

12 V:



TECHNICAL DATA

Type:	BBT-305
Operating Temperature:	-18 °C to +50 °C (0 °C to +40 °C printer)
Test Range:	100–900 CCA, 100–900 SAE, 100–550 DIN, 100–900 EN, 100–550 IEC
Voltage Range:	12 V batteries with residual voltage down to 1V
Lead Length:	120 cm
Power Supply:	via the tested battery or integrated 9V battery
Voltmeter:	0 bis 30 VDC +/- 0.05 VDC
Languages:	19
Casing material:	acid-resistant ABS plastic
Dimensions:	230 mm x 100 mm x 65 mm
Weight:	500 g

ITEM NUMBER

1210000305



BATTERY TESTER BBT-605

Optimal testing device for professional applications.

The BTT 605 is the ideal tool for testing motorcycle, car and truck batteries. Use the quality check mode for easy and fast testing palettes for entire batteries.

The result is shown on a big display or can be printed immediately by internal printer.

The removable memory card can be used for software update.



FEATURES

Headline on the printout can be individually defined by the user (e.g. workshop name)

Testing of 6 V and 12 V batteries

Fast quality check mode for entire batteries

Testing of batteries with cold start current of 100 - 2000 CCA

Recognition of defect cells

Reverse polarity protection

Differentiated new / old battery for highly accurateness

Compatibility with various standards systems (CCA, DIN, EN, IEC, SAE)

APPLICATION

Workshop

6/12 V:



TECHNICAL DATA

Type:	BBT-605
Operating Temperature:	-18 °C to 50 °C (0 °C – 40 °C printer)
Test Range:	100-2000 CCA, 100-2000 SAE, 100-1200 DIN, 100-2000 EN, 100-1200 IEC
Voltage Range:	6 and 12 V batteries with residual voltage down to 1V
Lead Length:	120 cm
Power Supply:	via the tested battery or integrated 9V battery
Voltmeter:	0 bis 30 VDC +/- 0.05 VDC
Languages:	24
Casing material:	acid-resistant ABS plastic
Dimensions:	270 mm x 100 mm x 50 mm
Weight:	800 g

ITEM NUMBER

1210000605



Banner Battery Tester HD1

Banner Heavy Duty Battery Tester incl. Printer

The HD1 is a battery tester in robust design. Ideal tool for measurements of motorcycle, car and truck batteries. Including 12V and 24V battery charging system test. Easy to use, high accuracy and fast printing characterized this tester. A software to record the measurement results on the PC is also included.



FEATURES

Functions:	measures voltage of 6 V and 12 V batteries, system test of 12 V and 24 V, selecting battery type (wet, AGM or gel battery), select new or used battery
Equipment:	graphic printer with date and test code, easy handling, rugged design
Technology:	microprocessor-based measurement for accurate and instant results
Protection:	reverse polarity and overvoltage protection
Display: big	4-line display incl. graphic account, SOC and SOH graphics
Norm systems:	SAE, EN, IEC, DIN and JIS

APPLICATION

Professional, workshop

12 V Battery, 24 V System test



TECHNICAL DATA

Type:	BBT Heavy Duty 1
Test Voltage:	6/12/24 V
Test Range:	40–2000 SAE, 40–2100 EN, 30–1500 IEC, 25–1300 DIN
Language:	English, German, French, Russian, Czech
Dimension:	26 x 13 x 6 cm
Weight:	ca. 0.5 kg
Cable Length:	120 cm

ITEM NUMBER

1210000290



BATTERY TESTER BT-301

Professional device for testing 6V and 12V batteries.

The BT-301 tester is a reliable tool for measuring motorcycles and car batteries. Simple operation, fast test result and TOP price / performance rate.
Inclusive printing funktion.



FEATURES

- 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

APPLICATION

Workshop
6/12 V:



TECHNICAL DATA

Type:	BT 301
Operating Temperature:	0°C to 50°C
Test Range:	40–2000 SAE, 25–1300 DIN, 40–2100 EN, 30–1500 IEC
Voltage Range:	6/12V Batteries
Lead Length:	80 cm
Power Supply:	via the tested battery or integrated battery (4x1,5V AA)
Languages:	7
Casing material:	acid-resistant ABS plastic
Dimensions:	190 mm x 110 mm x 40 mm
Dimensions:	600 g

ITEM-NUMBER

1210000250



BBST - Banner Battery Service Tool

The optimum battery exchange tool.

The Banner Battery Service Tool (BBST) is the ideal tool for the exchange of batteries in vehicles with battery management systems.

This device do not only recommends the suitable replacement battery, but also erase special manufacturer error codes and set the new battery into the vehicle system. The BBST features a car charging function test as well.



FEATURES

Battery Exchange: configuration of the battery in vehicles with battery management systems

BEM-Code: automatic generation of the specific manufacturer Battery Energy Management-Code

Analysis: readout and erasure of standard and special manufacturer error codes

Function Test: check the charging and generator system of the car

Y-Adapter: for support of the in-board network with Banner Memory Saver

Battery Application: coverage over 41.000 cars and over 30.000 utility vehicles

Software Update: PC download or SD-card

Display: high performance graphic display with symbols for easy menu navigation

Language: German, English, French, Italian

Accessories: OBD-cable, USB-cable, Y-cable, user guide, including hard-top case

APPLICATION

Workshop

12 V: for cars with Battery Management System / Start-Stop System



TECHNICAL DATA

Type:	BBST
Nominal Voltage:	8-18 VDC
Display:	O-LED-Graphic-Display
Internal Charging:	by USB (760 mA)
Protection:	IP20
Dimension:	190 x 110 x 50 mm
OBD Cable:	1.5 m
Weight:	0.6 kg

ITEM NUMBER

1210005000



BBT Digital Voltmeter DV1

Digital Voltmeter for testing motor vehicle batteries.

The Voltmeter DV1 is a mobile testing device for fast and reliable measuring of battery voltage. The big LCD display with 2 decimal places indicates the result instantly.

A voltage table on the device inform you about the state of charge of the battery. Easy handling with high accuracy!



FEATURES

Measuring Functions: measure voltage from 6 V and 12 V batteries

Construction: rugged housing, premium test prod for measurement through the terminal cover

Technique: microprocessor powered analyzer for accurate and fast results

Protection: reverse battery protection and overvoltage protection

Display: LCD display with 2 decimal places

Accuracy: +/- 0,03 V

Instructions: short manual on the backside of the tester

APPLICATION

Workshop / Home

12 V:



TECHNICAL DATA

Type:	BBT Digital Voltmeter DV1
Battery Voltage:	6/12 V
Testing Range:	4,5 V – 19,9 V
Protection:	IP44
Dimension:	115 x 70 x 20 mm
Weight:	100 g
Cable:	50 cm

ITEM NUMBER

1210000121



BBT LED-Tester

Analyzer for 12 V starter battery and charging system

The LED-Tester is a mobile testing device for fast and reliable results. It checks the battery voltage, the starting power and the vehicle charging system. The LEDs display indicates the result instantly. Instructions are adhered on the backside of the tester. Easy and clean handling!



FEATURES

Analysis Functions: checks starting voltage, starting power and vehicle charging system

Construction: rugged housing, premium clamps

Technique: microprocessor powered analyzer for accurate and fast results

Protection: reverse battery protection, isolated clamps

Display: 18-lable LED display incl. information in %

Instructions: short manual in EN, DE, FR on the backside of the tester

Accessories: removable clamps

APPLICATION

Home / Consumer

12 V:



TECHNICAL DATA

Type:	BBT LED-Tester
Battery Voltage:	12 V
Testing Range:	7 V – 15 V
Protection:	IP65
Dimension:	75 x 65 x 20 mm
Weight:	200 g
Cable:	110 cm

ITEM NUMBER

1210000111



LOAD TESTER 12V 420A

This Load 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. This tester is suitable for all types of cars and motorcycles.

An USB/ RS232 interface allows to process and printout the test results on the PC.



FEATURES

Measurement of cold start current

RC Test (25A, 10,5V end point voltage)

K20 Test

Indication of terminal voltage and running time during capacity testing

Display of the results of previous tests

Connect up to 4 units with USB / RS232 interface

Transfer the test result to PC for editing or printout.

TECHNICAL DATA

Model:	Load Tester
Battery voltage:	12 V
Discharge current:	1– 420 A
End of charging voltage:	8.4 / 9 / 9.4 / 10 / 10.5 / 11 V

ITEM NUMBER

1240001800



LOAD TESTER 500A2

Testing batteries up to 500 Amps

The 500A2 tests batteries, starters and alternators with up to 500 Amps. The current and the voltage of the battery are shown on two separate displays. Fast and reliable load test device with easy handling.



FEATURES

- Analog display for voltage and current
- Test function: tests batteries up to 1.000 CCA
- fully insulated battery terminals with copper inserts
- metal housing
- Test for 12 V batteries, alternators and starters
- built-in warning sound

APPLICATION

Workshop

12 V:



TECHNICAL DATA

Type:	500A2
Battery Voltage:	12 V
Battery Test:	up to 1.000 CCA
Discharge Current:	up to 500A
Dimensions:	230 mm x 270 mm x 125 mm
Weight:	4,5 kg
Cable Length:	90 cm

ITEM NUMBER

1210000230



MILTON DIGITAL LOAD 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

- Measurement of cold start current CCA
- Testing of starter and charging system
- Ideal for cars and motorcycles batteries
- Very simple handling
- Large, LED display
- Solid metal design

APPLICATION

Workshop

12 V Battery



TECHNICAL DATA

Type:	Milton digital
Test Voltage:	12 V
Discharge current:	up to 100A
Display:	digital, LED
Dimension:	29 x 10,5 x 7,5 cm
Testing Time:	10 sec.

ITEM NUMBER

1210000225



Banner

THE POWER COMPANY

MAD012017

MILTON LOAD 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

- Measurement of cold start current CCA
- Testing of starter and charging system
- Ideal for cars and motorcycles batteries
- Very simple handling
- Large, analogue display
- Solid metal design

APPLICATION

Workshop
6V / 12 V Battery



TECHNICAL DATA

Type:	Milton analog
Test Voltage:	6/12 V
Discharge current:	up to 100A
Display:	analog
Dimension:	29 x 10,5 x 7,5 cm
Testing Time:	10 sec.

ITEM NUMBER

1210000200



REFRACTOMETER

Acid tester

Measuring device for battery acid, cooling liquid and anti-freeze windscreen washer.
This smart refractometer is a precise optical instrument.
It is small, light and easy to handle.



FEATURES

- Easy to use
- For testing battery acid, coolant and anti-freeze liquid
- Ideal for any workshop
- Easy to read scale
- Acid resistant design

APPLICATION

Workshop

Wet Batteries:



TECHNICAL DATA

Type:	Refractometer
Color:	black
Dimension:	17 x 4 x 4cm
Weight:	175g

ITEM NUMBER

1210000800



Banner

THE POWER COMPANY

MAD012017

AREOMETER

Acid tester

For measuring the acid density.
Safe and fast to handle. Belly glass body.
Big color and numbering scale.
Lightweight and easy to use.



FEATURES

For measuring the acid density
Simple to handle
Large display for safe and fast metering
Battery status indication by colored scale
Belly glass body
Ideal for any workshop

APPLICATION

Workshop

Wet-Batteries:



TECHNICAL DATA

Type:	Areometer
Number Scale:	from 1,10 to 1,30
Length:	160 mm
Scale:	colored
Color:	black

ITEM NUMBER

1030001400



A: Banner Batterien Österreich GmbH, A-4021 Linz-Austria, Postfach 777, Banner Straße 1, Tel. +43/(0)732/ 36 86-0
CH: Banner Batterien Schweiz AG, CH-5746 Walterswil, Banner Straße 1, Tel. +41/(0)840 Banner (226637)
D: Banner Batterien Deutschland GmbH, D-85391 Allershausen, Kesselbodenstrasse 3, Tel. +49/(0)6441/30 73-23000

bannerbatterien.com

