Portable Meters

DC Clamp Meter (ammeter)	
Dimensions	160mm x 35mm x 25mm
Weight	100g
Electrical Specification:	Meets IEC 1010 CAT111
DC voltage	0-200V overload protection 600V
AC voltage	0-500V overload protection 600V
DC current	0-600A overload protection
AC current	0-600A overload protection
Resistance	0-200 ohms overload protection 400V
AC frequency response	40-400 Hz
AC speck tested on sine wave	50/60Hz
Compact yet heavy duty	
Continuity beeper	
Data hold function	

Code
CLAMP1

DC Voltage Probe & Diagnostic Tool	
Available voltages	12V / 24V
Battery Condition Reading	Low 11.5V / 50% 12.0V / Full 25.2V (24V x 2)
Charger / Alternator output	13.2V (min) / 14.5V (max) / 15.5V (over volt) (24V x 2)
Weight	250g
Unique to Sterling Power	

Code
TM12V 12V
TM24V 24V

Wind Up Multimeter (no battery)	
Winding	Wind twice for 2mins use, wind for 10s for 10 mins
Display	46 mm x 23 mm large LCD
Measurement	AC, ACA, DCV, DCA, Ohms, continuity beeper, Hz, %, Cap
Dimensions	152 x 78 x 45 mm
Weight	350g
DC voltage	Range Volts 400.0 mV - 1000V DC Accuracy +/- (1% + 3d)
Input impedance	10 M Ohm
DC current measure	400mA - 10A
Ohms	400-40 M ohm
Capacitance	40nF-100 mF
Frequency	4 Hz - 4 MHz
Diode	(forward voltage , VF)
Range	4 V DC
Resolution	0.001 V
Test voltage	1.6V DC
Test current	1 +/- 0.6 amps
Includes red and black test leads plus instruction manual	
Continuity Beeper	
Overload Protection Fuse	
Beep if resistance less than 100 ohm	
response time < 100 m	
Range selection Auto ranging with manual selecting.	
Data hold to freeze the display reading	

Code
WUVM

Digital Battery Tester

Includes alternator and starter motor tests

Code
DBT125

What does the tester do?
To properly test a battery you need to test the voltage of it under a heavy load. This is what the Digital Battery Tester (DBT) does. The DBT puts a 125A load on the 12V battery for 10 seconds. It measure the rate of recovery of the battery's voltage after the load has abated. The faster the recovery the healthier the battery. Superb device for measure battery condition.

10s Load test	125A
Voltage	12V (for 24/36V center tap)
Battery CCA rating	200-1000A
Battery Ah rating	30-140Ah
Indications	good / weak / bad / sulphation extent
Battery Voltmeter	yes
High Voltage trip	13V
Time between loads	120 seconds
Uses	Batteries, Alternators, Starter Motors
DC Cable length	530mm
Size (LWD)	280mm x 100mm x 120mm
Weight	1.1 Kg

The load test. Depending on the size of the battery, this product adds a very high load to the battery (125 A). The battery should be able to deliver this load and hold the voltage up at the same time. If the battery is unable to deliver the load (and sustain it for this time frame) then the battery is either defective or simply not fully charged when the test was performed. This is why it is crucial to ensure the batteries are fully charged before the test is performed to eliminate that possibility.

The unit can also be used to measure the performance of the charging device (alternator / battery charger) - to inform the user whether the charging device is **good, weak or bad**.