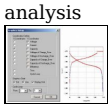
BST8-WA is an eight-channel battery analyzer to analyze small coin cells and cylindrical batteries from **0.005 mA to 1 mA,** up to 5V, with gold-plated pins for the best connection. Each channel of the analyzer has independent constant-current and constant-voltage source, which can be programmed and controlled by computer software. This system provides most applications in battery testing fields such as electrode materials research, battery performance test, small-scale battery formation, capability grading, battery pack testing and etc. Brand new laptop with MS Window 10, MS Excel 2013 30 days free trial and latest version testing software are **installed** and calibrated for immediate use (Up to 20 sets of analyzers can be simultaneously controlled by one PC).

SPECIFICATIONS:

Electricity requirement	110V AC or 220V AC selectable for universal use
Power Consumption	30W
Current	• Range: 0.005 mA - 1.0 mA • Accuracy: ±(0.05% of reading + 0.1% of range)
Voltage	• Range: 0.5 - 5V programmable • Accuracy: ±(0.05% of reading + 0.1% of range)
Data register conditions	Time interval: 1 - 900s
Max. measurement cycles	9999 cycles
Product Dimensions	 445mm(L) x 380mm(D) x 135mm(H)
Channels	• Eight independent programmable channels • Each channel can set different working modes and functions independently
Battery Holders 	• Two types of battery holders are included in the BST8-WA Standard package: ∘ 8 Gold Plated spring load holders with adjustable height for measuring cylinder or coin cell up to 70mm(H) (pls click a picture below 1-2 to enlarge) ∘ 8 alligator clips with cable for universal connecting (for pouch cell, click the picture 3-4 below) • Optional holder: 8-Channel coin cell testing board for measuring coin cells easily (click Pic 5 to order) •
Programs & Software	• The testing software (TC5.3) is included to set various working modes for measuring capacity and lifecycle of all types of rechargeable batteries • Working modes Include constant current discharge, constant current charge, constant voltage charge, constant resistance discharge, rest, etc • Limited threshold conditions include voltage, current, time, capacity, negative voltage slope, etc • With real-time monitoring interface and integrated graph/data windows, the testing process can be observed more directly and efficiently • During the test, the software will provide instructions and warnings for assistance • The calibration software can be used to calibrate the analyzer • MS Excel 2013 30 days free trial is pre-installed for you to output the Excel data file.(Note: Updated information on 5/21/2015)
Test Reports and Curves for analysis 	• Different types of curves can be created by software base on user definition. (Voltage-time curve, current-time curve, capacity-voltage curve, loops times charge/discharge capacity curve, loops times charge/discharge efficiency curve, etc) • Forms of data are created by the software. User can easily compare the performance of the batteries tested in channels both visually and statistically
Protection and Auto-recover	If the power failure occurs during testing, the system will shut down all operating channels. Once power is recovered, the system will automatically resume those stopped channels and ensure that the test is normally conducted, so that no cases will lose any data.
Laptop Computer & WIFI Control	• Brand new laptop (4GB RAM 500GB HD) with MS Window 10, MS Excel 2013 30 days free trial **is included** and the latest version testing software is **installed** and calibrated for immediate use. • If running multi- analyzer by one PC, please choose 8GB RAM, 1TB HD laptop. Max. 20 sets of analyzers can be simultaneously controlled by a high-end PC. Max. 20 sets of analyzers can simultaneously be controlled by one high-end PC. • *Notice: It is suggested to use an external hard drive to keep an instant backup of the collected data.* • **Upgrade the battery tester with a remote wireless control which provides up to 300 meters operating range. Such a great feature is available upon request at the extra cost (add $195).**

Compliance	• CE Certified • MET, TUV, CSA, UL certification are available upon request at extra cost
Warranty	Two Year limited warranty with lifetime support for the battery analyzer. (Note: MTI does not carry a warranty for the Laptops. In case service is needed for the laptops, please contact the laptop manufacturer directly for warranty/no warranty service.)
Operation Manual & Video Request More Info	 Operation Manual & Software Calibration Guidance & Software
Application Notes	• New buyers must buy the software installed laptop to avoid trouble from installation. If you like to run multiple battery analyzers on one Laptop, you can just buy multiple analyzers with one laptop which are offered at a discounted price. • $250 will be deducted if one analyzer is purchased without the basic laptop. • Warning: Please in choose NEVER for Screen and Sleep off in Power& Sleep setting of your computer, or it may lose connection from battery analyzer. • The customer can easily combine up to 20 battery analyzers (0.005-1mA, 0.1-10mA, 6mA-3000mA) by using a normal Ethernet cable connector via one computer. • You may order MTI's movable rack to organize the battery analyzers (click the first picture below for more information)
Net Weight	11.5 kg (26 lbs)
Shipping Weight	18 kg (40 lbs)
Shipping Dimensions	610mm(H) x 510mm(W) x 356mm(H) (24" x 20" x 14")

Standard Package:

Item	Description	Qty
1	Battery analyzer	1 pc
2	Brand new laptop with MS Window 10 system and battery analyzer operation software installed	1 pc
3	RS232-to-USB Adapter for connecting the analyzer to the USB port on a computer	1 pc
4	Test-Control software 5.3 Installation Disk	1 pc
5	Alligator Clips for connecting pouch cell battery	8 pcs

OPTIONAL:

Item	Description	Qty
1	8 Channels Coin/Button Cell Testing Board for testing coin/button cell	Optional
2	Connection Cables for MTI Battery Analyzers - EQ-BACC-8B	Optional
3	Optional Connector/Adaptor are available upon request. 1, Alligator Clips 2, Tamiya Connector 3, JST connector	Optional