

## MBT-1 Data Sheet

Easy to understand  
LED display



Simple operation  
Test results in  
seconds



Self-storing probe and lead wire



Rugged NBR rubber sleeve

### Features

- Computes State of Charge (SOC) for more than 30 battery types
- Easy to use - no switches or settings
- Test battery condition - quickly and easily identifies weak or failing batteries
- Patented high accuracy Pulse Load test - battery safe, non-invasive
- Measures battery performance under load, not just voltage or internal resistance
- Ideal for battery management and cell matching - reduce costs and increase reliability
- Made in U.S.A. Patents 6,823,274 and D569285

### Description

The ZTS Multi-Battery Tester™ (MBT-1) provides a comprehensive means of testing the state of charge or state of power for more than 30 battery types. This microprocessor-controlled instrument is designed for commercial or home use and tests popular primary (non-rechargeable) and rechargeable batteries using a patented, high accuracy pulse load test. After a fully automatic test cycle, percentage of remaining battery capacity is indicated on the LED bar display. Battery types are clearly labeled next to appropriate contacts. The negative test lead/probe conveniently stores in seam at side. It's easy to use, and test results are easy to understand. Tests NiMH, Li-Ion, alkaline, lithium, coin cell, button type and more. *Requires 4AA batteries (not included).*

### Applications

- |                 |                  |                    |                      |
|-----------------|------------------|--------------------|----------------------|
| • Electronics   | • Medical        | • Remotes/wireless | • Battery management |
| • Rechargeables | • Theater/music  | • Inspection       | • Manufacturing      |
| • Security      | • Scientific     | • IT               | • Safety             |
| • Industrial    | • Access control | • Utilities        | • Service            |

## Specifications

P/N: MBT-1

Testing capability:

- 3.6v Li-Ion rechargeable [RCR123A, 18500, 17650, 18650] (non-regulated type)
- 1.5v button cell [S76, A76, A625, A640, LR44, 357, 303]
- 1.2v NiMH/NiCd rechargeable [AA, AAA, C, D]
- 1.5v lithium [AA L91, AAA L92]
- 3v lithium coin [1616, 1620, 1632, 2016, 2025, 2320, 2032, 2430, 2450, 58L 1/3N]
- 6v `28` series [28A, S28, 28L]
- 3v photo lithium [CR123, CR2, CRV3]
- 1.5v alkaline [AA, AAA, C, D, N]
- 12v alkaline [A23]
- 9v alkaline, carbon zinc

Power (internal): 4 x AA batteries

Display: 6 LEDs - Green, yellow, and red

Pulse Load: magnitude varies according to battery type

Test duration: 2-3 seconds, varies according to battery type

Contact terminals: nickel-plated brass for high conductivity and durability

Test lead: Flexible, high strand-count 18AWG plastic coated, kinkless lead wire

Dimensions: 8 x 4.5 x 1.25 inches

Weight: 14.5 oz. / 400g

UPC: 856777000169

## Soft Case Accessory

- Designed for the MBT-1
- Secure Velcro® flap
- Protects against dirt and impact.
- P/N: SC-MBT1
- UPC: 856777000176



*Soft case (tester not included)*

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