

Cell Checker is ideal for testing fire and security alarm systems. Using pulse load technology, it provides a comprehensive test of a battery's state of charge and condition.

WHY PULSE LOAD BATTERY TESTING?

- Battery voltage alone is not a reliable parameter for determining remaining capacity and condition
- Battery voltage does not indicate whether the battery will be able to deliver power when placed under load

TESTING CAPABILITIES

- Tests 2-volt, 4-volt, 6-volt, 8-volt or 12-volt batteries up to 200AH
- Tests SLA batteries
- Tests battery performance – not just voltage/internal resistance

KEY FEATURES

- Tests battery condition – quickly and easily identifies weak or failing batteries
- Simple to operate, genuine pulse load testing with test results in 15 seconds
- Measures battery performance under load, not just voltage or internal resistance

Cell Checker Pulse Load Battery Tester

Rather than simply displaying a voltage reading, Cell Checker determines a battery's remaining power capacity by measuring its ability to maintain voltage levels while under load. The tester then makes an assessment based on these readings and displays the remaining percentage capacity of the battery.

Pulse load testers verify that a battery can deliver power by actually making it deliver power. The duration and repetition of the load test cycle varies depending on the battery type being tested. Factors that are considered when determining the size and duration of the pulse load are battery design (high rate or low rate), battery chemistry, and the battery's typical application. This helps ensure that the power demand on the battery during the pulse load test will be comparable to what the battery experiences under normal operation conditions.



Product Features and Specifications

For use by specialized fire technicians



Cell Checker Technical Information

Testing Capability (modes)	<ul style="list-style-type: none"> • 2-volt [2-25AH] • 4-volt [2-25AH] • 6-volt [1-4AH, 5-15AH, 16-50AH, 20-100AH, 50-200AH] • 8-volt [2-20AH, 20-100AH] • 12-volt [1-4AH, 5-15AH, 16-50AH, 20-100AH, 50-200AH]
Display	8 LEDs - green, yellow, and red
Power Source	4 AAA batteries (not included)
Pulse Load	Magnitude varies according to battery type
Test Duration	Approx. 15 seconds
Test Leads	48" rubber coated lead wire, solid copper clamps, R/A sheathed banana plugs
Specifications	2lb, 13 x 9.25 x 3in
Lead Sets	<ul style="list-style-type: none"> • 48" lead sets that feature high strand count 18AWG rubber coated, kink-less wire with R/A sheathed banana plugs. • Clip-type clamp: solid copper - max jaw opening 0.625" • Plier-type clamp: solid copper - max jaw opening 1.125"

Instructions

Step 1	Turn on the power switch located to the right-hand side of the unit
Step 2	Select the type of battery to be tested by pressing the MODE key until the LED next to the correct battery type is illuminated
Step 3	Connect the test leads to the battery terminals ensuring a good connection with the red lead connecting to the positive terminal (+) and the black lead connecting to the negative battery terminal (-)
Step 4	Press the TEST key
Step 5	LEDs will flash in sequence indicating the test is in progress. When the test is complete one LED will remain lit indicating the battery's state of charge or remaining capacity
Step 6	Make two tests at five second intervals to verify that the battery has stabilized and is delivering consistent power
Step 7	Turn off power switch after battery is disconnected

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