

## Lead Acid Pulse Load Battery Tester

- Ideal for maintenance of fire and security alarm systems
- Fundamentally different to traditional testers
- Accurate pulse load testing
- Tests ability to deliver current & to maintain voltage under load
- Tests battery performance – not just voltage or internal resistance
- Identifies weak or failing batteries
- LED indicates percentage of remaining battery capacity
- Fast Test Time – approximately 15 seconds
- Easy to use
- Battery safe – does not damage or drain the battery
- Accurate results on new, partially discharged & stored batteries



**cellchecker™ is ideal for testing batteries in fire and security alarm systems. Using pulse load technology it provides a comprehensive test of a battery's state of charge and condition.**

## SPECIFICATIONS

- Contact Terminals:** Solid copper clamps, 30"/76cm rubber coated, kinkless test leads
- Dimensions:** 8.75" x 5.5" x 1.75"  
22.2cm x 14cm x 4.4cm
- Weight:** 23oz/656g
- Power:** Requires 4 x AA alkaline batteries to function (not supplied)

## INSTRUCTIONS FOR USE

- Turn on power switch (located to the right hand side of the unit)
- Select the type of battery to be tested by pressing the MODE key until the LED next to the correct battery type is illuminated
- 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 (-)
- Press the TEST key
- 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
- Make two tests at five second intervals to verify that the battery has stabilised and is delivering consistent power
- Turn off power switch

## ALSO AVAILABLE FROM SDI

- **Professional Smoke Detector Testers**  
with approved and listed dispensers
- **Genuine Professional Heat Detectors**  
suitable for fixed temperature, rate of rise and combined detectors
- **CO Detector Testers**  
with approved and listed dispenser
- **Aerosol Dispensing Tools**  
as recommended by detector manufacturers
- **Detector Removal Tools**  
suitable for all leading makes and models of detector
- **Access Poles**  
to enable detector maintenance up to 30+ ft
- **Complete Maintenance and Service Systems**  
providing complete solutions in economical and convenient kit formats
- **Smoke Detector Sensitivity Instruments**  
to identify sensitivity drift and help ensure that smoke detector sensitivity is maintained within defined calibration parameters

## WHY PULSE LOAD TESTING?

*Battery voltage alone is not a reliable parameter for determining remaining capacity and condition; it also does not indicate whether the battery will be able to deliver power when placed under load. Rather than simply displaying a voltage reading, **cellchecker™** 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.*

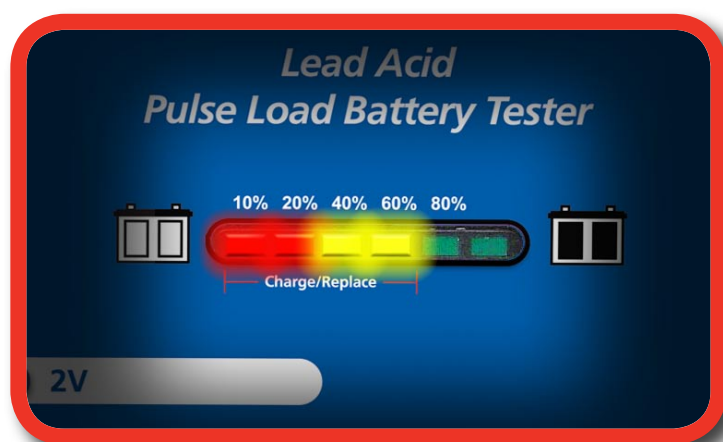
## HIGHEST STANDARDS

*"...it is imperative to determine whether a battery would be able to sustain the necessary load for the required amount of time without failing. Practically, only load testing can achieve this properly..."*

*"...battery testers that test a battery under no load do not accurately simulate the battery's performance in operating conditions..."*

*"...under load, the battery shall perform in accordance with the battery manufacturer's specifications..."*

NFPA 72-2002: Table 10.4.2.2



**SDi,**  
1345 Campus Parkway, Neptune, NJ 07753-6815 USA  
Tel: 732-751-9266 Fax: 732-751-9241  
Email: sales@sdfire.com Web: www.sdfire.com

**www.detectortesters.com**