



## ACT/612 6/12V Intelligent Battery Tester

***Simulates a full (20 hour) battery discharge test in seconds!***

The ACT/612 is a dual voltage intelligent battery tester, designed for 6V and 12V lead acid batteries from 1.2Ah to 100Ah, making it capable of testing 12V batteries up to 150Ah. It's the only product of its kind to have an Ampere-hour (Ah) calibration control, enabling Ah readings to be adjusted to suit various battery technologies including standby SLA (AGM), cyclic GEL and car FLOODED (WET) batteries. The ACT/612 contains advanced pulsed load analysis technology which removes surface charge to accurately measure the available Ah capacity based on the battery's temperature and state of charge. This enables you to check the voltage and test the capacity of new batteries straight from the box, as well as used batteries which may show abnormal Ah capacity caused by excess temperature or from being under or overcharged. A table on the front of the meter indicates when batteries should be recharged or replaced due to age or operating conditions (65% of rated capacity). The ACT/612 is designed for those who need to test different types of lead acid batteries quickly and easily.



# ACT/612 Intelligent Battery Tester

## Specifications and Advanced Features

Tests 6V/12V SLA, GEL and Flooded lead acid batteries  
Simulates a full (20 hour) battery discharge test in seconds  
Capable of testing 12V batteries up to 150Ah  
Displays DC voltage and Ampere-hour (Ah) capacity available in the battery  
Advanced pulse load analysis accurately measures Ah capacity available in seconds  
Accurate Ah capacity based on battery's temperature and state of charge  
Unique 'Ah Calibration Control' enables standby SLA, cyclic GEL and car FLOODED batteries to be tested  
Ultra low heat generation allows continuous battery testing  
Reverse polarity protection with LED warning indication  
Over Voltage Protection to max 30VDC with LED warning indication  
Replaceable plug-in test leads  
High Impact ABS case with holster  
Calibration Certification included  
Ideal for those who need to test a broad range of lead acid batteries types in various applications such as fire and security systems, UPS, golf, mobility and leisure etc.

**Operating Voltage** 6V and 12V DC

**Reverse Polarity Protection** Red LED Indication

**Max Input Voltage** 15VDC

**Over Voltage Protection** Max 30VDC (10 sec.) with Red LED Indication

**Battery Types** SLA (AGM), GEL & Flooded (WET)

**Battery Sizes** 6V (1.2Ah – 10Ah) and 12V (1.2Ah to 100Ah)

**Ah Capacity Test** Simulated 20 hour (C20) load test to 10.50VDC

**Ah Calibration** Calibrated at 0 (zero) position to brand new fully charged premium brand SLA batteries rated at C20 hour at 20C (68°F)

**Ah Result** Based on the battery under test temperature and state of charge

**Adjustment** Provides  $\pm$  Ah adjustment to brand new fully charged standby SLA, cyclic GEL and car FLOODED lead acid batteries

**Battery Table** Recharge or replace battery when Ah capacity available falls below 65% of the battery's stated capacity

**Display Type** Blue Back-lit LCD

**Flat Battery Warning** 6V <5.30VDC, 12V <10.50VDC

**Repeat Test Operation** Can perform repeat tests continuously

**DCV Accuracy**  $\pm$  2% of displayed reading

**Ah Accuracy**  $\pm$  5% Fully charged premium brand C20 hour rated SLA batteries at 20 - 25C (68F - 77F)

**Applied Pulse Load** 6A 1.2Ah - 7Ah, 18A 8Ah - 100Ah

**Ah Cal Adjustment** Approx  $\pm$  25 dgts

**Case Construction** High impact ABS with holster

**Size** 84(H) x 170(W) x 41(D)mm (including holster)

**Warranty** 12 months RTB

**IN THE BOX** ACT/612 Intelligent Battery Tester, ACT/612TL Test Leads, ACT/430N Soft Carry Case, Sample ACT/BTL Labels, Operating Instructions and Certificate of Calibration

