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Concorde Battery announces the release of new BC-5000 Battery Capacity Tester

WEST COVINA, CA – March 30, 2009 – Concorde Battery Corporation, manufacturer of Lead Acid Batteries and Lithium Ion Batteries and Accessories for original equipment and replacement parts, introduces the new BC-5000 Battery Capacity Tester (Concorde P/N 4163). Loaded with failsafe features and designed for operator safety, BC-5000 Battery Capacity Tester has been market tested and approved for use by various aviation maintenance technician groups and private pilots as important equipment for any maintenance facility – commercial, military, and civilian.



**BC-5000
Battery Capacity Tester
Concorde P/N 4163**

The BC-5000 is made to accurately and reliably test airworthiness and capacity for 12 Volt and 24 Volt Lead Acid Aircraft Batteries. Powered by the individual battery on test the BC-5000 is portable. Cables and quick disconnect are standard. The metal case is 12"L x 9"W x 10"H with an insulated handle attached to the top. Weighs 10 LBS. Appropriate for field testing or shop operations, BC-5000 accommodates a range of batteries with capacities from 10 – 50 AH. With maximum battery input voltage at 28.0 VDC and minimum battery input voltage of 9.0 VDC for 12 volt batteries EPV (End Point Voltage) is set at 10VDC, and 20VDC for 24 volt batteries. Constant current loads adjustable in 1A steps (+/-0.5 ADC) incorporates automatic over temperature protection. Included on the BC-5000 is a new audio system signaling when the capacity test is complete. Capacity tests are based on IEC (International Electrochemical Commission) standards and FAA TSO-C173.

Testing operations start as the BC-5000 Capacity Tester automatically selects the correct voltage. The adjustment for the C1 (Ah) amperage test rates is done by activating the up / down button system. After setting, the built in software will flash battery C1 amperage rate on the LCD readout. Starting the test initiates the cooling fan motor with the LCD displaying the C1 rate in percentage, battery voltage, and amperage for the battery on test. Upon reaching the EPV the BC-5000 test operation will cease, stopping the cooling fan and with an audible system, and signals test result completion. Minimum "Passing" airworthiness is based upon a battery capacity of 85% of its C1 rating. "Failing" the capacity test is a battery with less than 85% of its C1 rating.

"The BC-5000 Battery Capacity Tester combines Concorde's battery technology with the need for precision testing out in the field," said Skip Koss, Vice President, Marketing, Concorde Battery Corporation. "With this equipment, users can find the exact battery capacity, faster than ever." Mr. Koss adds, "Battery Airworthiness is crucial to aircraft operation and safety. All Concorde Batteries are designed to operate as essential power if the generator system fails in flight, provided the battery is airworthy as installed. Aircraft are not certified with a dead battery or one that does not have sufficient capacity for essential power."

Specifications on BC-5000 Battery Capacity Tester, Concorde Battery P/N 4163, can be found at www.concordebattery.com. Click on Battery Accessories.

Concorde Battery Corporation is a designer and manufacturer of specialty lead acid batteries and lithium ion aircraft batteries located in West Covina, CA. Concorde has over 25 years of experience in the manufacture of aircraft batteries for both military applications and commercial Type Certified aircraft. Concorde is the largest supplier of Original Equipment lead acid aircraft batteries to the majority of manufacturers of rotorcraft, corporate, and general aviation fixed wing aircraft. Concorde is a manufacturer of FAA-PMA, Type Certified, & TSO-C173 approved original & replacement parts for a wide variety of aircraft and operates under ISO 9001:2000 + AS9100B standards.

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