

Training and Education Department Training Course Description



Course Name

Cellcorder CLC-200

Course Length

One Day

Delivery Options

Customer site

Course Description

The course provides the student with a brief lesson on the background of cell resistance measurement technology and compares Alber's method to other measurement technologies to illustrate the superior measurement accuracy and repeatability of the instrument.

The instructor provides the class with an introduction to the instrument, its specific functions, battery connection and measurement procedures for various battery types the user may encounter. Discussions focus on specific attendee situations they experience with their own make and model battery systems.

Hands-on lab exercises are performed by all students that reinforce knowledge the student acquired in the classroom environment. Upon completion of all lab exercises, students return to the classroom, where they will learn the process and procedures required to successfully transfer the readings taking with the Cellcorder to a personal computer. A lesson on the use of the Battery Analysis System software is also provided so the student may begin using the instrument and software together upon return to their facility.

Each student is provided with a complete set of handout materials. Certificates of completion are mailed to all students that complete the course.

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CLC-100/200 Cellcorder Training Outline

Lead-Acid Battery Ohmic Resistance Background

1. Understanding cell resistance
4. DC load test method of measuring cell resistance
5. Detection of cell problems
6. How resistance affects cell performance
7. Evaluating problems
8. Industry recommended practices

Hardware

1. Product Overview and Description
 - a. Instrument purpose
 - b. Features and benefits
 - c. Limitations
2. User Screens
 - a. Setup
 - b. Configuration
 - c. Test Parameters
3. Test probes description and use
 - a. Two lead probe sets
 - b. Three lead probe sets
4. Making Resistance Measurements
 - a. Cell resistance
 - b. Connection resistance
5. Cellcorder Care
 - a. Battery charging
 - b. Cleaning
 - c. Calibration requirements



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Technology and Solutions for Battery Testing

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Battery Analysis Software

1. Primary Functions of the Software
2. Software Overview – Data Storage
3. Software Overview – Report Files
4. Downloading Stored Readings from the Cellcorder to a PC
5. Details-Downloading Readings
6. Saving the Readings
7. Folders and file storage in Windows
8. Saving the readings
9. Identifying the Battery
10. Navigating Through the Battery Analysis Software
11. Capabilities
12. Viewing Data
13. Trending Data
14. Comparing Data
15. Thresholds and Alarms
16. Generating and Printing Reports
17. Exporting Data to MS Excel