Product/Service

TMC 4001 Battery Testing System

Source: Programma Electric Inc.

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The TMC 4001 Battery Testing System comprises a multi-channel testing unit and a control/analysis program that runs under Windows on a PC. The TMC 4001 measures cell voltages, terminal voltage, current and temperature.
This system enables you to conduct capacity tests far more efficiently, since cell voltages are measured automatically as the test proceeds. Moreover, results are more accurate since the cells are measured more often and virtually simultaneously. Density, temperature and currents can also be entered manually or read in from a DMA 35N Test Unit or a TMC 2001d Battery Management System.
The system records readings before testing, 1000 times during testing and again at the end of the test. In addition, you can make extra recordings when so desired. The system is fast-measuring – all cells takes only a few seconds. As a result, comparisons of cell readings are more realistic than when slower systems are used (manual systems for example).

The results are presented graphically as curves and bar charts or in tables. The tables can be printed immediately if so desired. Cells with deviant readings can be identified easily, and results obtained on different occasions can be compared with each other.

The TMC 4001 and TMC95 are ideal for capacity testing when used together with Programma's TORKEL 820, TORKEL 840 and TORKEL 860 Battery Load Units. The TMC95 program can set TORKEL's discharge current, and can both start and stop discharging.

These three products form a complete capacity testing system in which the TMC95 controls testing, the TMC 4001 logs cell voltages, total voltage, current and temperature - and TORKEL handles the discharging.

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