CELLIZER-SYSTEMS

Battery-Monitoring-System
CM-9010

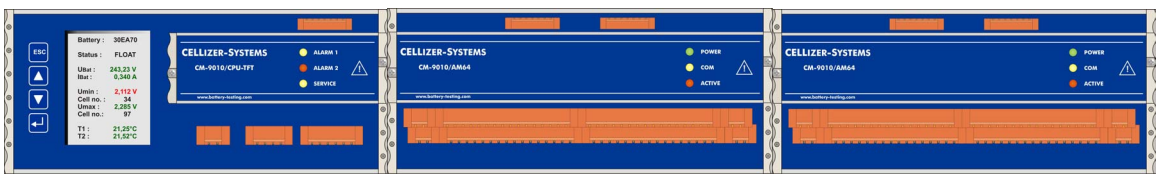
- ✓ **INTELLIGENT MODULAR BATTERY MONITORING**
- ✓ **FLEXIBLE CONFIGURABLE FOR DIFFERENT APPLICATIONS**
- ✓ **CONTINUOUS ONLINE MEASUREMENT**
- ✓ **SEMICONDUCTOR SWITCHES (NO RELAYS)**
- ✓ **BEST PERFORMANCE/PRICE RATIO**

The modular system architecture of the CELLIZER-monitoring system CM-9010 allows tailor made configurations for various types of battery installations. The CM-9010 evaluates the battery function and warns, if the function of the whole battery is heavily damaged, if single cell/blocks have to be replaced or if the function and the life expectation of your batteries are reduced.

The comfortable integration and operation of the CELLizer-monitoring devices take place via the consistent integration of modern communication and processor technologies. The CELLizer-monitoring devices can process parallel batteries at the same time.

The intercommunication of all devices is realized with the integration of a RS485-Bus. Up to 255 modules can be installed. All measurement modules are intelligent ones and can be directly connect to a computer, or to our CM-9010/CPU module. A battery monitoring system is build up with our voltage measurement modules CM-9010/AM18. Different versions of that module (AMxx) are available on request. The CM-9010/UIT module allows measuring of the total battery voltage and current. Four independent, isolated inputs are integrated in this unit. In some applications, the individual resistance reading of a battery jar must be performed. For that purpose, an optional CM-9010/BLU load unit must be installed.

With the use of a CM-9010/CPU module, the battery monitoring system can be accessed via an Ethernet interface, or, for compatibility reasons, via a RS232 interface. This module also provides alarm-contacts to allow independent alarm handling and messaging.



Configuration example: 220V Battery, 108 Cells – 2 Scan-Modules, 1 CPU-Module