

Excellent Technology, Efficiency and Quality



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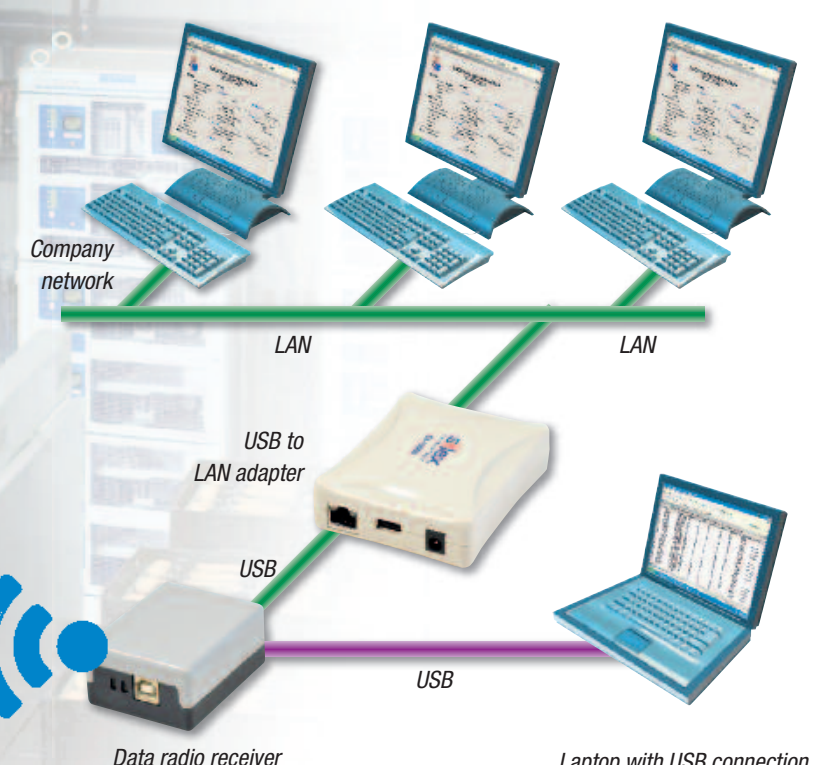
## **BATCOM plus**

Battery controller with radio transmission





# Record and analyse the status and utilisation level of your battery fleet



**Fig. 2: Options for further processing of stored data**

- Read out using radio interface with USB connection
- Transmit data to a laptop/PC with WIN 7
- or a customer LAN network

BELATRON with communication card

## BATCOM plus batteries Battery controller with radio transmission

It is essential for battery-powered forklifts to have a good availability level these days in order to operate reliably and efficiently.

Monitoring of the charging and discharging behaviour of the drive batteries and the battery temperatures and electrolyte levels is important for maximising the operational status of the vehicle fleet. The recording of battery data and monitoring of the battery status are also extremely important in the continuously expanding leasing and rental business with long operating period assurances.

With the BATCOM plus battery controller with radio communication it is possible to record, store and query the relevant operating data that is communicated between the forklift, the drive battery and the charger.

## Diagnostic and maintenance instructions by means of coloured LED indicators

The BATCOM plus battery controller has an extremely robust housing and can be fitted to the top of lead-acid batteries without using special tools.

The LED indicators in the housing of the BATCOM plus also signal the following: Operation, high battery temperature, fault, low electrolyte level and current charge status (Fig. 1).

In order to record the battery current, the BATCOM plus has a current measuring head which can be opened and fitted to any cell connector or a bypass cable. The voltage measurement with automatic voltage detection (range 18-120V DC) is carried out at the pole terminals of respective drive battery.

The sensors for battery temperature and electrolyte level monitoring are connected to the BATCOM plus using cables. The temperature probe is inserted between the middle cells of the drive battery, and the sensor for monitoring the electrolyte level is installed through a cell cover with appropriate hole.

The memory of the BATCOM plus battery controller has the capacity to store 2000 sets of discharge / charge information together with the date, the time and the duration.

## The following data is stored:

- Sum total data:**
- Number of charging cycles
  - Number of intermediate charging cycles
  - Frequency and duration of low electrolyte level
  - Frequency and duration of high and low temperature levels
  - Frequency and duration of deep discharging

## The following are displayed with the date and time:

- Charging/discharging data
- High and low temperature
- Low electrolyte level
- Deep discharging
- Amount of current loaded and removed (Ah) during the respective charging and discharging cycles

Fig. 2 shows options for further processing of the data stored in the BATCOM plus.

The battery data can be prepared in tables and analysed using the optional Traction Monitor Software (figs. 3 and 4).



Fig. 3: Battery report

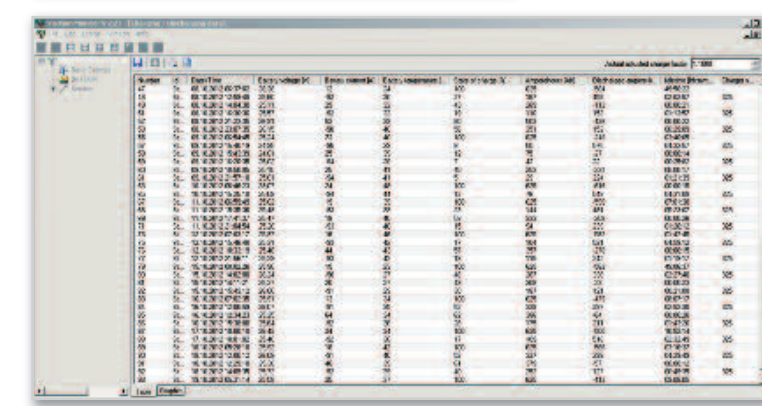
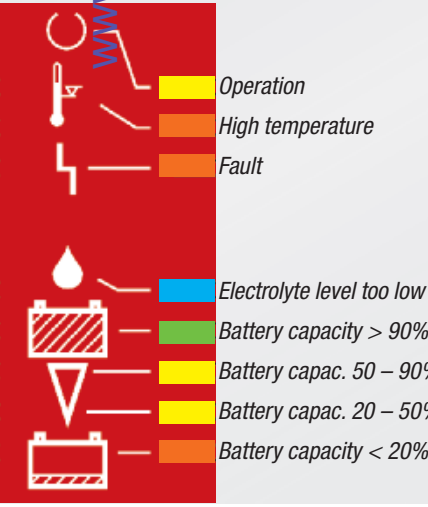


Fig. 4: Event list

Fig. 1: LED indicators in the housing of the BATCOM plus signal the following operating statuses:



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