



## trak | aquacheck

Electronic electrolyte level  
indicator for trak battery systems

# trak | aquacheck

## Features and benefits

### Visual signalling in the vicinity of the battery connector on the battery tray or on the battery surface

#### Functional description

The lead electrode of the trak | aquacheck dips into the electrolyte of the reference cell. This generates a small flow of current between the lead electrode and the supply connection of the trak | aquacheck.

In simple terms, the current flow at the trak | aquacheck causes a green LED to light up.

If the electrolyte level falls below the specified depth of immersion, the current flow is interrupted. Depending on the design variant, the LED goes out or flashes red.

Every time the battery is connected to the charger/vehicle, the signal of the trak | aquacheck which is mounted on the

battery plug is inevitably in the field of view of the operator. This eliminates the need for the weekly check of the electrolyte level according to the operating instructions.

#### Adjustment

The electrode of the trak | aquacheck is made to length, depending on the battery type, using a suitable tool.

#### Assembly

The reference cell is equipped with a special diagnostic opening provided in the cell cover. Any cell which is more than three cells distant from the negative terminal of the battery is suitable as the reference cell. Once the power supply is connected, the trak | aquacheck is ready for use.

### Ensuring easy checking of the electrolyte level by using trak | aquacheck

- **Electronic sensor**
  - Visual check on the battery tray, on the battery surface or in the visible area of the connector
- **Compatibility of components**
  - May be used with all traction batteries and all cable/connector combinations
  - Can be retrofitted to all HOPPECKE trak battery systems
- **Three visual signals (Mounting on the connector or on the battery tray)**
  - Clear indication of condition:
    - Electrolyte level is OK
    - Electrolyte level is too low
    - System unable to function
- **Very low power consumption**
  - Avoidance of deep discharges
- **Fully-insulated connections**
  - Reliable protection against contact
- **Encapsulated design**
  - Long life expectancy to match that of the complete battery
- **May be used for stationary vented single cells**

