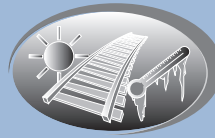




Motive Power Systems



Reserve Power Systems



Special Power Systems



Service

AquaCheck®

Electronic electrolyte level indicator for trak® battery systems

Visual signalling in the vicinity of the battery connector (AquaCheck® RC-S),
on the battery tray (AquaCheck® RC-T) or on the battery surface (AquaCheck®)



Similar to the illustration

AquaCheck®

Features and benefits

Functional description

The lead electrode of the AquaCheck® RC-S/-T and 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 AquaCheck® RC-S/-T and AquaCheck®.

In simple terms, the current flow at the AquaCheck® RC-S/-T and AquaCheck® causes a green LED to light up.

If the electrolyte level falls below the specified depth of immersion, then the current flow is interrupted. On the AquaCheck® RC-S/-T the red LED flashes, while on the AquaCheck® the LED goes out.

Every time the battery is connected to the charger/vehicle, the AquaCheck® RC-S/-T is inevitably in the field of view of the operator. This dispenses with the

need for a weekly check of the electrolyte level in accordance with the operating instructions.

Adjustment

The electrode of the AquaCheck® RC-S/-T and AquaCheck® is made to length, depending on 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 AquaCheck® RC-S/-T and AquaCheck® is ready for use.

Ensuring easy checking of the electrolyte level

by using AquaCheck® RC-S/-T and AquaCheck®

■ Electronic sensor

- Visual check on the battery tray (AquaCheck® RC-T), on the battery surface (AquaCheck®) or in the visible area of the connector (AquaCheck® RC-S)

■ 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 (AquaCheck® RC-S/-T)

- Clear indication of condition:
 - Electrolyte level is OK
 - Electrolyte level is too low
 - System unable to function

■ Very low power consumption

- Avoidance of over discharge

■ 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