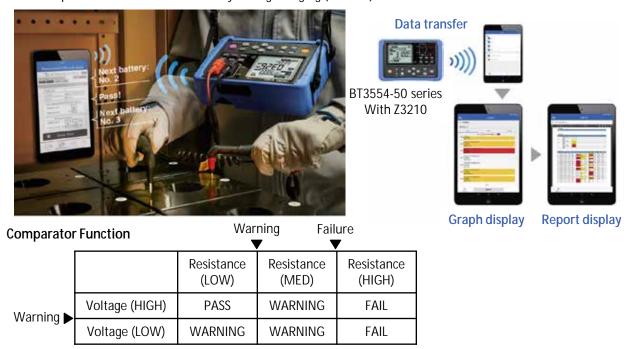


Industrial field: Electric power / energy / environment Business field: Service / maintenance / manufacturing

Deterioration Judgment of Stationary Lead-Acid Batteries Deterioration of sealed lead-acid batteries can be judged in a short time.

Overview

- •By measuring the internal resistance of a sealed lead-acid battery and the voltage between the terminals, the state of deterioration of the battery can be estimated.
- •Since the measurement data can be stored in the device, data from multiple batteries can be easily saved and transferred to a computer. With the BT3554-50 series and the Z3210, you can wirelessly send data to your mobile device using Bluetooth® to display and save data, and create reports.
- •Since you can observe the trend of the battery data, you can accurately judge the status of the battery.
- •It is also possible to measure the battery during charging (live line).



How to use

- 1.Bring the probes into contact with the battery terminals
- 2. The internal resistance of the battery and the voltage between the terminals (up to 60 V DC) can be measured at the same time.
- 3. Measure each battery in the pack cell by cell. The measurement data is recorded in the internal memory.

Notes

- 1.General maintenance of the lead-acid batteries should be conducted on a regular basis
- 2. With sealed lead-acid batteries, the internal resistance rises sharply as the deterioration progresses (1.5 to 2 times the initial value), estimating the battery health can be investigated through the trend data.

The pass / fail threshold depends on the battery manufacturer, type, capacity, etc. Internal resistance / terminal voltage of new or non-defective battery. It is necessary to measure in advance

Open-type (liquid-type) lead-acid batteries and alkaline batteries have less change in internal resistance than sealed lead-acid batteries (VRLA: MSE, HSE, etc.). It may be difficult to diagnose the deteriorated state.

Used equipment

Battery Tester
BT3554-50, BT3554-51, BT3554-52

Wireless Adapter
GENNECT Cross
Z3210 (Bluetooth®)
SF4071. SF4072

All information correct as of January, 2021. All specifications are subject to change without notice.