News Release

October 27th, 2011

GS Yuasa Corporation

New Release of the DBA-3 Digital Battery Analyzer! Supports Auxiliary Batteries in Hybrid Cars!

GS Yuasa Corporation (Tokyo Stock Exchange: 6674) has renewed its current top-seller digital battery analyzer DBA-1 and launched a new DBA-3 model, enabling the diagnosis of auxiliary batteries that are installed in hybrid cars.

Recently there has been extraordinary growth in the sales of hybrid cars, which excel in both fuel economy and driving performance. The replacement demand for 12V auxiliary batteries has also increased as a result. However, most auxiliary batteries for hybrid cars are specialized valve-regulated lead acid (VRLA) batteries, which means that conventional specific gravity measurements and liquid level checks have not been possible, making it difficult to determine the quality of batteries and heightening the needs for analyzers that can accurately determine the timing for battery replacement.

In response to these needs, the DBA-3 was developed to enable the digital diagnosis of auxiliary batteries. The basic specifications have been carried on from the market-proven DBA-1, and as the new model supports the auxiliary batteries that are installed in hybrid cars in addition to traditional startup batteries, inspection of a wide variety of car models is possible with the DBA-3. Using the internal resistance measurement method, a generally-accepted measurement method with a proven track record, instant and accurate diagnosis is can be achieved based on GS Yuasa's wealth of measurement data from the market.

Given the growing environmental awareness in our society, even more attention is expected to be focused on hybrid cars in the future. GS Yuasa is confident that the newly-released DBA-3 will make a large contribution to the quality and efficiency of work such as battery inspection and maintenance conducted at car dealers and car maintenance workshops.

In the future GS Yuasa will continue to leverage its strengths as a battery manufacturer to quickly respond to diversifying battery needs and support a comfortable driving environment, always putting the safety and security of its customers first.

*Although auxiliary batteries are not used in hybrid cars as the main power supply for engine startup as in standard automobiles, these batteries play an important role as the power source for the computer that controls the entire car, including its electrical components and power system.

Features:

1. Support for auxiliary batteries in hybrid cars

In addition to the standard startup batteries that were supported in the past, diagnosis of hybrid car auxiliary batteries is also supported.

2. Excellent measurement performance

Internal resistance is measured through the changes in voltage waveforms from pulse discharge, and using GS Yuasa's own judgment program based on a wealth of measurement data, an instantaneous and comprehensive diagnosis of the battery is conducted.

3. Lightweight, simple, and speedy

Operations are simple as you only need to follow the menu on the liquid crystal display and press the applicable keys. The printing speed of the diagnosis results is ultra-fast at approximately five seconds.

The device is sized so that you can easily hold it in one hand.

4. Convenient printing function
The device is equipped with a printing function that allows you to print easy-to-understand diagnosis results in five stages and the test count by diagnosis result.
5. Global support
The device supports four languages: Japanese, English, simplified Chinese, and traditional Chinese.

Release date: November 1, 2011

Sales target: 3,000 units (first year)

Suggested retail price: 138,600 yen (tax included)

Main specifications:

Model name	DBA-3
Outer dimensions	Height: 232 mm, width: 110 mm, depth: 66 mm
Weight	Approximately 0.6 kg
Testable batteries	DC12 vented lead-acid car batteries DC12 VRLA lead acid car batteries
Number of printouts possible	Approximately 250 times per roll of paper
Printing time	Approximately 5 seconds
Maximum test count	999 times
Running power source	The battery being measured is used as the power source.
Operating temperature limit	0 to 40 degrees Celsius
Protective equipment	Reverse connection protection and high-voltage protection for input voltage

Image:

The DBA-3 digital battery analyzer