

# BATTERY MONITOR YP1-2



BY MEASURING INTERNAL RESISTANCE WITH THE YP1 -2, YOU CAN CHECK THE BATTERY'S REMAINING LIFE.....

## MUCH EASIER THAN CHECKING ELECTROLYTE

The "Sealed" type lead acid battery's electrolyte cannot be taken out to measure its specific gravity and observe its appearance. This limitation has made it impossible to identify the state of deterioration of the battery by sampling the electrolyte, which has been one of the conventional methods for determining the state of open vented batteries. Now the YP1-2 can be used instead.

## NO NECESSITY TO DISCONNECT THE BATTERY FROM LOAD

The most accurate method of identifying battery deterioration is to perform a discharge test by using a capacity-testing device in place of the normally connected output load. However, when using the YP1-2, it is not necessary to disconnect the battery from the actual load during testing.

Therefore, the standby power output is not interrupted. With the YP1-2 the battery can remain on stand-by.

## INTERNAL RESISTANCE CAN BE MESURED TOGETHER WITH VOLTAGE, WITHOUT DELAY

The above mentioned discharge test method also requires the maintenance person to spend a great amount of time and labour in measurement etc. Therefore, a method that can determine deterioration without delay combined with ease of use has always been in great demand. The YP1-2 satisfies this demand.

The compact YP1-2 has every function required to check valve regulated lead acid batteries

The dimensions/weight are only 196mm x 50mm x 130mm and 710g per unit!

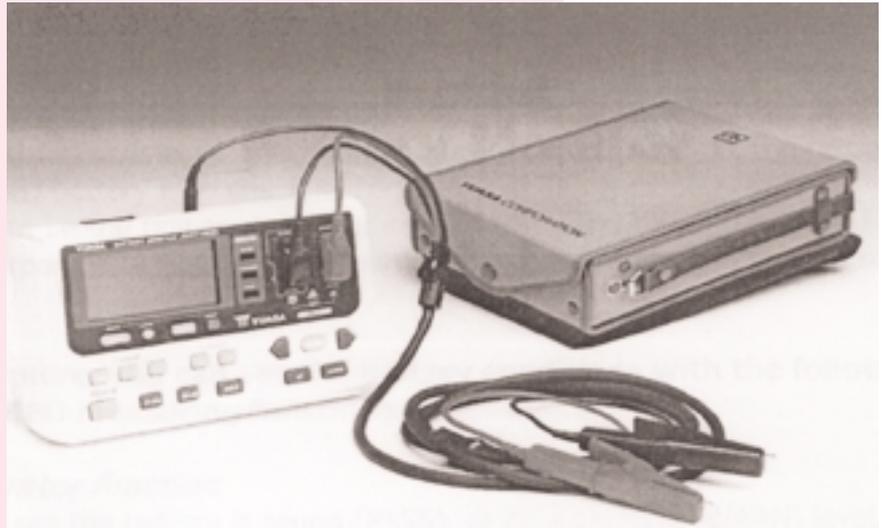
The values YP1-2 can check are;

Internal resistance

Terminal voltage

Terminal temperature

The YP1-2 can test batteries form 2v to 24v with capacities under 1Ah to over 1000Ah.



A large, stylized white 'Y' logo is positioned above the word 'YUASA' in large, bold, white capital letters.

#### Avoid test errors

Unlike some test equipment that relies on the actual battery under test to power them, the YP1-2 uses its own internal power source. After all, the reason for testing any battery is to check its own condition. If its condition is poor or unsure, it should not be the power source for its own test. The YP1-2 uses 6 x LR6/R6P cells and incorporates a " low battery" warning to advise replacement when needed.

Furthermore, you can see the battery conditions with the following ADVANCED measuring functions

#### Comparator function

You can see the battery is sound (PASS), or on a warning (WARN) level, or on a faulty (FAIL) level, by comparing the measured values with the pre-set conditions. Comparator values of some popular YUASA models are already pre-set, however all comparator settings are user adjustable. Measurement value storing functions

The currently measured values, taken as a set, can be stored; up to 260 such sets of values can be held, and later displayed and printed as required by connecting with a general purpose printer or PC.

#### Output example of the general purpose printer

[ 1]	10.23mohm, 12.58V, 23.1C, PASS	[ 6]	14.14mohm, 13.12V, 23.2C, FAIL
[ 2]	12.34mohm, 12.68V, 23.2C, WARN	[ 7]	9.78mohm, 12.54V, 23.1C, PASS
[ 3]	11.20mohm, 11.34V, 23.1C, WARN	[ 8]	8.98mohm, 12.17V, 23.0C, PASS
[ 4]	12.30mohm, 12.54V, 22.8C, WARN	[ 9]	12.34mohm, 12.32V, 23.0C, WARN
[ 5]	14.20mohm, 10.18V, 23.1C, FAIL	[10]	10.23mohm, 11.85V, 22.9C, PASS

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