

TB520

Battery tester



- ✓ NiCad AND NIMH BATTERIES
- ✓ INTERNAL RESISTANCE MEASUREMENT
- ✓ CAPACITY MEASUREMENT
- ✓ THERMAL SENSOR TEST

5 SERIES

The TB 520 allows the measurement of the main parameters of Nickel Cadmium or Nickel metal hydride accumulator batteries to determine their level of wear.

Programmable reject levels linked to the different test parameters allow the display of an alarm and the stopping of a cycle in progress.



Main Features

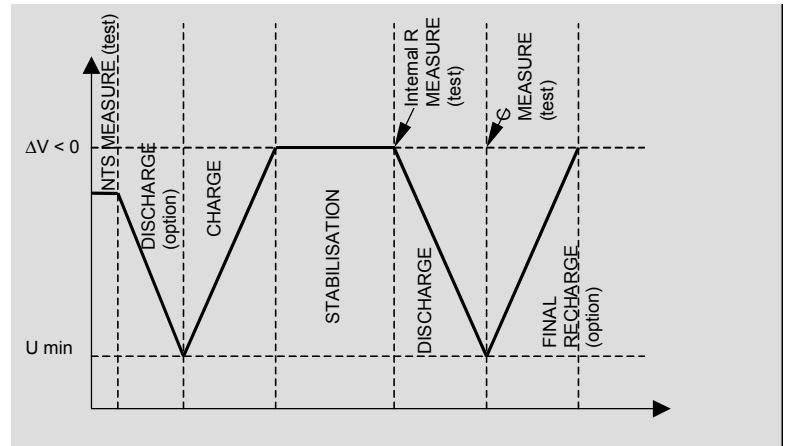
- Nominal battery voltages of: 4.8 V to 36 V
- Charge current: 1 C to 2 C (6 A max.)
- Discharge power: 500 W with 12 A maximum (1 C to 4 C)
- 32 Programs
- Serial links:
 - RS232: printer, PC and save modules
 - RS232: intelligent remote control RC5
 - RS485: ATEQ network
- And:
 - Time and date display, choice of languages, customisation of tests for your requirements...



Test description

The control cycle is composed of six successive phases:

- A measurement cycle for the integrated NTS thermal sensor.
- An optional pre-discharge cycle destined to: eliminate the eventual memory effect of the battery. test the switching of the relay integrated in some batteries.
- A charge phase necessary for the internal resistor and capacity tests.
- A stabilisation phase allowing the nominal voltage of the battery to stabilise after a charge cycle.
- A discharge cycle necessary for: the measurement of the internal resistor the calculation of the battery capacity
- A final charge cycle

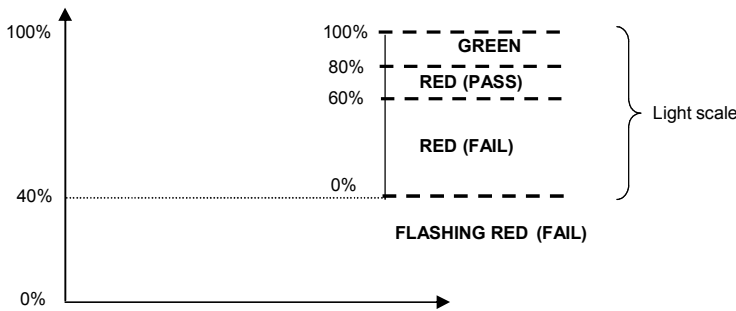


NTS = Negative Thermic Sensor



Test description

Measured capacity



The instrument displays the value of the capacity tested as well as the percentage calculated on a scale between 40 and 100%. According to the result an indicator is lit as follows:

- | | |
|----------------|--------------|
| ■ Green | Good battery |
| ■ Red (Pass) | Used battery |
| ■ Red (Fail) | Bad battery |
| ■ Flashing red | Dead battery |



Technical specifications

Physical

Weight: approximately 9 kg
Dimensions: L 250 - H 136 - D 387

Interface

Navigation keys
4-line LCD display
Result indicator lights

External electrical supply

Voltage: 24 V DC / 1.6 A

Temperature

Operating : + 10°C to + 45°C
Storage : 0°C to + 60°C



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