

TESTMATE



TestMate AUTOMOBILE

Professional programmable Tester for 12V engine start batteries (automotive/marine) from 2 to 200Ah rated capacity

- Now with rubber holster for added protection
- Use it in any of 7 different international languages

The TestMate AUTO AUTO is an easy-to-use portable battery tester specifically developed for all 12V engine starter batteries (AUTOMOTIVE / MARINE) from 2 to 200Ah (SAE) rated capacity. Batteries of various different types of construction can be accurately tested for service-readiness & the amount or percentage of SAE rated CCA remaining, by way of 2 selectable programs.

HOW TO USE THE TESTER

Connect the battery clips to the correct battery terminals. (if you connect them incorrectly the screen will remain blank) If the contact between the tester's clamps and the battery terminals is not good, " CHECK CLAMPS", will be displayed. Otherwise you will view the following screen.

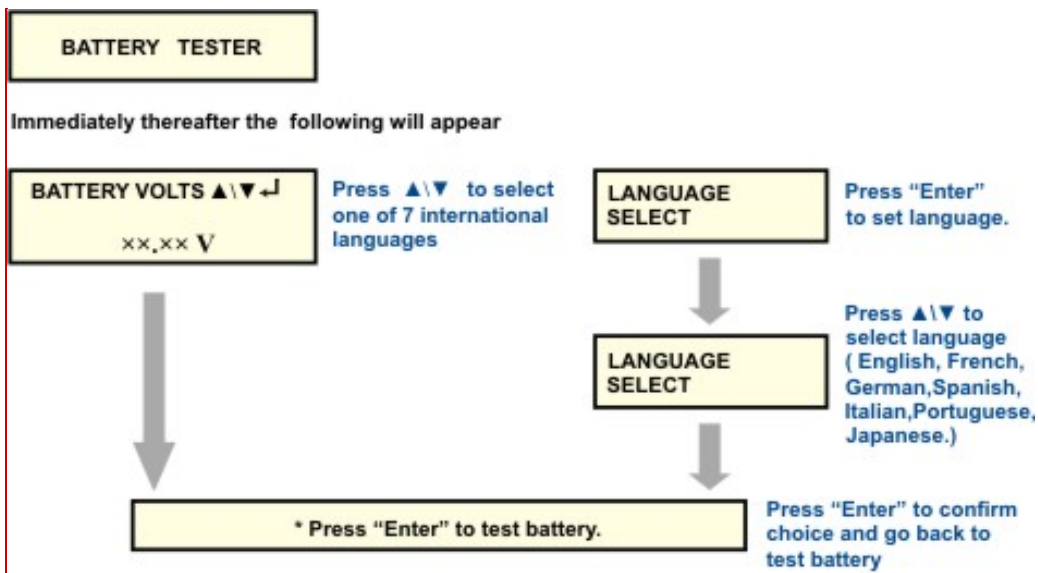
The operator is asked if any accessories are left on, as a possible cause. If accessories are left on, the operator is instructed to charge and retest the battery. If accessories are not left on, the operator is instructed to replace the battery, since the charging system is working and a good battery should have accepted a charge.

Press «ENTER», return to step 5, or remove the test clamps from the battery posts to end the test.

IMPORTANT NOTICE ABOUT POWER-SPORT BATTERIES

(motorcycle, ATV, PWC):

Modern power-sport batteries, especially sealed AGM & GEL types, have higher Cold Cranking Amps (CCA) to Amp-Hour (Ah) ratios than automotive



starter batteries. The TestMate Automobile will not provide accurate results for power-sport batteries.

For an approximate CCA rating of a fully charged power-sport battery, divide the CCA result by 1.5 and compare to the manufacturer's CCA rating. It should be equal or higher than the rated CCA.

E.G. After test, result = 330CCA. Approximate value = $330 / 1.5 = 220\text{CCA}$.

The TestMate Sport will provide accurate results when testing power-sport batteries. Information at www.tecmate.com.

Thereafter the following screen will appear

Press ▲\▼ key to select battery type:
VRLA/GEL/AGM or STANDARD SLI.
Press «ENTER» to confirm choice.

BATTERY TYPE
▲\▼
VRLA/GEL/AGM

(VRLA = Valve-Regulated Lead-Acid)
(AGM = with Absorbent Glass Mat separators)
(SLI = Starting-Lighting-Ignition)

Press the ▲\▼ key to input the Battery's
rated capacity, from 2 to 200 Ah.
Press «ENTER» to begin the test.

SET CAPACITY
▲\▼
XXXX AH

Test the battery for few seconds.

TESTING

Press the ▲\▼ key to select "BATTERY FULLY
CHARGED", or not, if the displayed text asks.
Press «ENTER» to confirm the selection.

IS BATTERY
FULLY CHARGED
YES / NO ▲\▼

When the test is completed, the display shows the actual Volts, the actual CCA (according
to the SAE norm, SAE = Society of Automotive Engineers) and % (percentage).

{Press the ▲\▼ key to select: SOH (STATE OF HEALTH) or SOC (STATE OF CHARGE)}.

One of the following six results will be displayed:

GOOD & PASS

The battery is good & capable of
holding a charge.

GOOD & PASS
xx,xxV xxxx SAE

BAD & REPLACE :

The battery will not hold a charge.
It should be replaced immediately.

BAD & REPLACE
xx,xxV xxxx SAE

GOOD & RECHARGE :

The battery is good but needs to
be recharged.

GOOD &
RECHARGE
xx,xxV xxxx SAE

BAD CELL & REPLACE

The battery has a short circuit in at least
one cell. It should be replaced
immediately.

BAD CELL &
REPLACE
xx,xxV xxxx SAE

RECHARGE & RETEST

The battery is discharged, but the battery
condition can't be determined until it's fully
charged. Recharge & retest the battery.

RECHARGE &
RETEST
xx,xxV xxxx SAE

LOAD ERROR :

The capacity of the battery exceeds 200Ah,
or the contact between the clamps & battery
posts is deficient .

LOAD ERROR