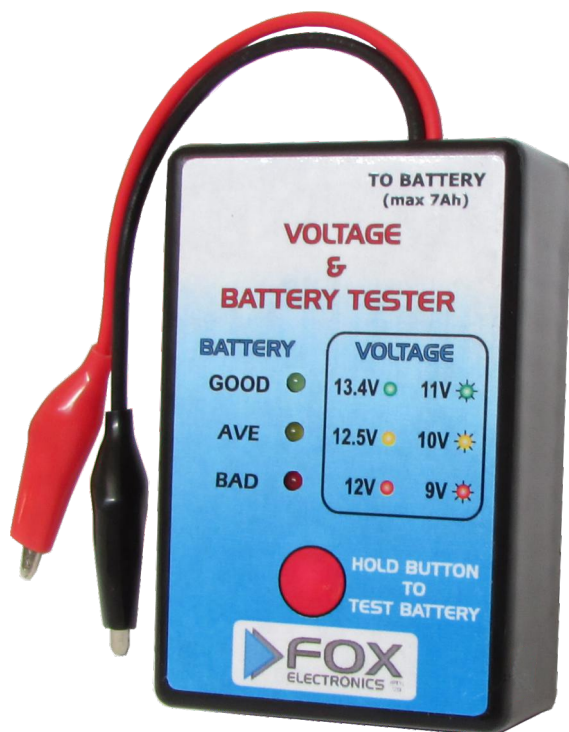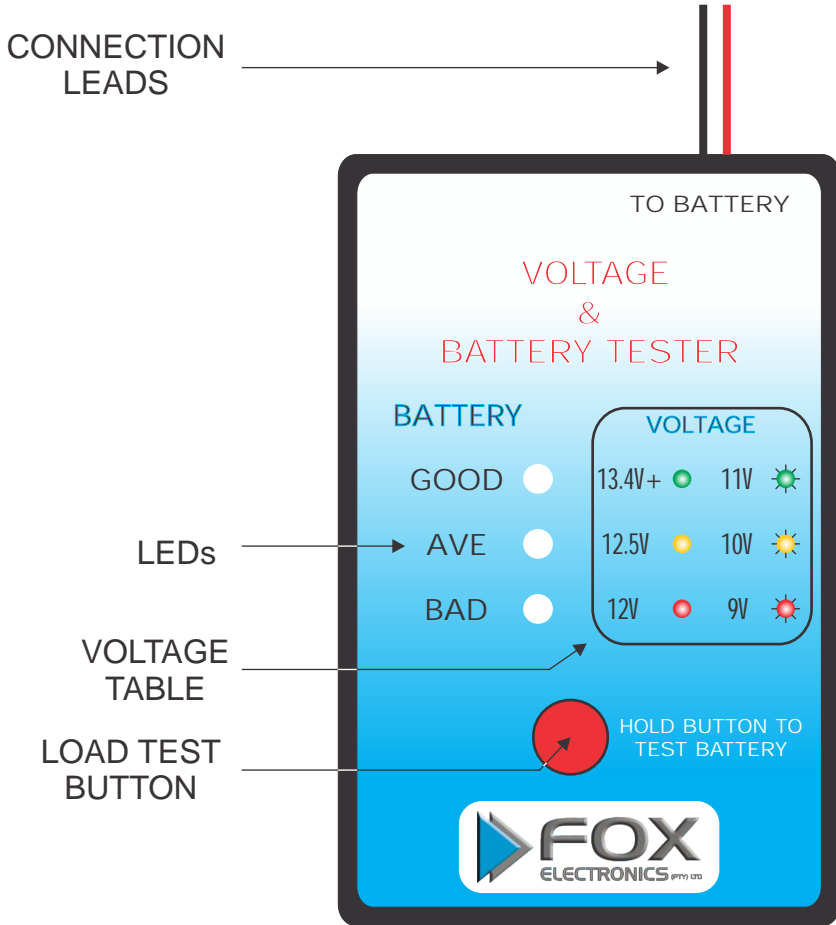# FOX BATTERY TESTER

The FOX Battery Status Tester is an affordable easy to use 7AH battery voltage and current capacity tester. The voltage function also allows a technician to do voltage tests on the alarm panel power supply and PGM outputs.

FRONT PANEL LAYOUT

CONNECTION
LEADS

TO BATTERY

VOLTAGE
&
BATTERY TESTER

BATTERY

GOOD

AVE

BAD

LEDs

VOLTAGE

13.4V+	●	11V	☀
12.5V	●	10V	☀
12V	●	9V	☀

VOLTAGE
TABLE

LOAD TEST
BUTTON

HOLD BUTTON TO
TEST BATTERY

▶ **FOX**
ELECTRONICS (PTY) LTD

The FX battery tester indicates the battery quality by
measuring the battery current load capacity.

The battery tester features a
-9 to 15 volt DC Voltage range realtime voltage indication
-Thermal overload test shutdown
-Manual load test button with low voltage test disable
-Battery voltage and load status reporting

STARTUP VOLTAGE INDICATION

To use the FX Battery Tester to test a battery, simply connect the black(NEG) lead to the Negative terminal of the battery then connect the Red(POS) lead to the Positive terminal of the battery. As soon as you apply both leads you will notice all three LEDs will flash on and off to indicate startup. The tester will then immediately give you a NO-LOAD voltage reading according to the voltage ranges indicated on the unit.

VOLT TEST RANGE: (*button not pressed*)

HIGH RANGE
GREEN   - solid =>13.4V
YELLOW - solid=12.5V-13.4V
RED   - solid=12.0V-12.5V

LOW RANGE
GREEN   - flashing slow=11.0V-12.0V
YELLOW - flashing slow=10.0V-11.0V
RED   - flashing slow=9.0V-10.0V

ALL LED's OFF -=<9.0V

TO TEST THE BATTERY QUALITY

Press and hold the test button.

LOAD RANGES: (load test mode-*while button pressed*)

GREEN   - Flashing fast = GOOD
YELLOW - Flashing fast = AVERAGE (replace the battery)
RED   - Flashing fast = BAD (replace the battery)

NOTE: *The test button does not operate if the voltage is bellow 9V at startup.*

Testing a battery on an alarm system:

Remove all battery charger, panel terminals and devices connected to the battery. Connect the Battery Tester terminals noting the polarity. Check the voltage status and then start the load test.

1-A flashing GREEN LED indicates a GOOD battery.
2-A flashing YELLOW LED indicates that the battery is acceptable but it will need to be replaced soon.
3-A flashing RED LED indicates a BAD battery that cannot sustain load capacity and it MUST be REPLACED.

Testing a NEW (uncharged) battery:

Connect the FX Battery Tester terminals noting the polarity. 12 Volt voltage indication is normal. Apply the load test and see that the battery has load capacity (flashing GREEN). Note that the manufacturer only charges the battery to 12V so charge the battery for 4-6 hours and repeat the test.

THERMAL PROTECTION

If ALL THREE LEDs are flashing, the unit is in thermal shutdown mode and is protected from going into load test mode. This is to prevent the unit from getting excessively hot during load tests. Wait about 30 seconds and when the LED's stop flashing, testing may continue .

Operating Voltage : 9.0v-15.0v DC
Load Current   : 3.2A @ 15v
Standby Current   : 10mA max.
Thermal Shutdown Wait: 30 sec.