

5-in-1 Multi-Purpose 12VDC Tester

ST-BT01Q Tests: Voltage • Load • Polarity • Voltage Drop • PTC Fuse

The ENFORCER ST-BT01Q Multi-Purpose 12VDC Tester has 4 LEDs to quickly and easily show the strength of the voltage present for most 12VDC applications.

Features:

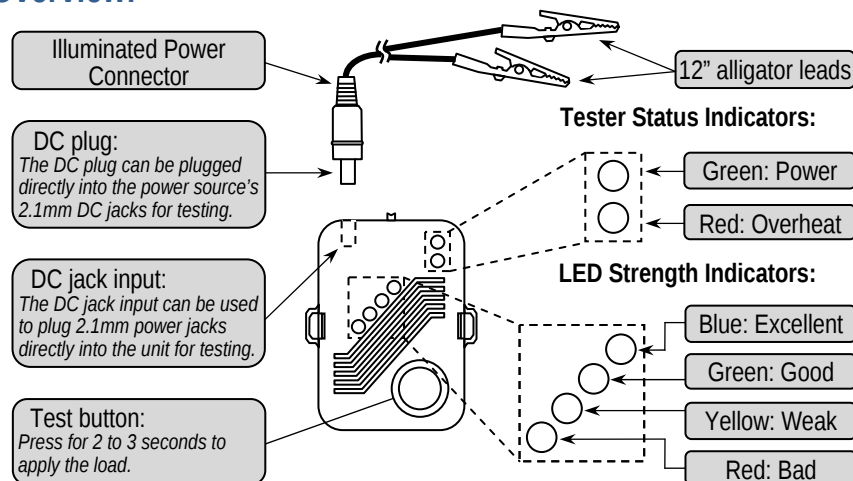
- ▶ Performs 5 essential tests in the field:
 - ✓ **Voltage Testing:** Check voltage of power sources easily in the field without a multimeter.
 - ✓ **Load Testing:** Apply a simulated 1A or 500mA load to power sources to check the voltage under load.
 - ✓ **Polarity Testing:** Check polarity of wires using the illuminated power connector.
 - ✓ **Voltage Drop Testing:** Check the amount of voltage drop over long cable runs.
 - ✓ **PTC Fuse Testing:** Check the integrity of PTC fuses.
- ▶ Selectable load: 1A or 500mA to test wiring depending on location, device to be tested, and anticipated voltage drop.
- ▶ Illuminated power connector: Clearly displays voltage polarity.
- ▶ Overheat indicator:



Specifications:

Operating voltage	5 ~ 12 VDC
Maximum load	0.5 / 1 A (switch selectable)
Power	Passive – no extra power required
Weight	1.4 oz (40g)
Dimensions	2" X 1 ³ / ₄ " X 1 ¹ / ₈ " (51 X 44 X 29 mm)

Overview:



Polarity Testing:

(Using illuminated power connector)

LED Color	Polarity
No color	No voltage present
Red	Incorrect polarity
Blue	Correct polarity
Purple	AC Voltage present

Voltage Testing:

(Using 4 LEDs on front of tester)

LED Color	Voltage Present
Blue	≥ 12VDC
Green	10.8 ~ 12 VDC
Yellow	10 ~ 10.7 VDC
Red	9.4 ~ 9.9 VDC
No LEDs	< 9.4 VDC

ST-BT01Q Sample Application:

This sample application shows a power supply connected to a 12VDC camera and 12VDC electromagnetic lock at the end of a cable run. There are several ways the **ST-BT01Q** tester can be connected, this diagram highlights only a few.

