

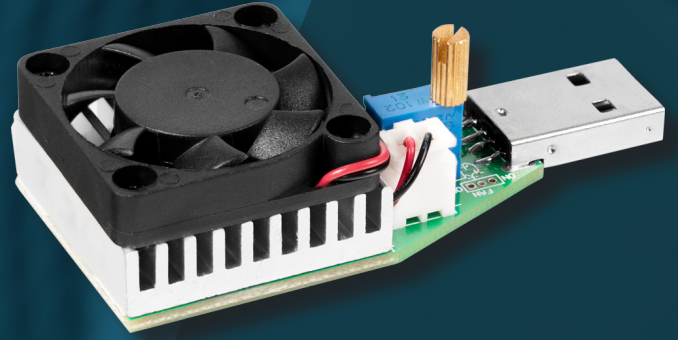
USB ELECTRONIC LOAD MODULE

DIRECT PLUG-IN DESIGN WITH HIGH QUALITY BALL-BEARING FAN

JOY-IT

SPECIAL FEATURES

- ✓ Temperature-controlled ball-bearing fan for silent, long-lasting cooling
- ✓ Adjustable 0.15 – 3 A load current for realistic performance testing
- ✓ Direct USB plug-in + solder pads for voltage measurement or external power input
- ✓ Lightweight and compact — ideal for field and lab use
- ✓ Supports 3.7 – 13 V DC input and up to 15 W continuous load
- ✓ Suitable for chargers, power banks, USB ports, and DC regulators



The JT-HD01 is a practical and powerful USB electronic load module, designed to support engineers, developers, and service technicians in evaluating the performance of USB power sources. It provides a wide operating voltage range of 3.7–13 VDC and an adjustable load current of 0.15 A to 3 A, enabling detailed and repeatable tests across various USB-powered devices such as phone chargers, power banks, and DC adapters.

With a dissipation capability of up to 15 W, the JT-HD01 is ideal for stress testing, analyzing voltage stability under load, measuring current delivery capability, and performing battery discharge tests. Even during long test cycles or high loads, the module maintains safe operating temperatures thanks to its integrated temperature-controlled ball-bearing fan. The fan activates only when required, ensuring long lifetime, reduced noise, and optimized power efficiency.

Designed for convenience and fast setup, the JT-HD01 features a USB Type-A male connector for direct plug-in testing — no cables required. Additionally, the solder pads on the PCB are connected to the USB power lines, allowing users to measure the input voltage directly or connect an external power source for testing purposes.

Compact dimensions of 68 × 30 × 21 mm and a low weight of just 30 g make the JT-HD01 extremely portable and perfect for mobile field diagnostics. Whether used in R&D environments, QC processes, or educational labs, this USB load is a reliable, versatile, and cost-efficient tool for modern electronics testing.

MAIN FEATURES

Operating voltage	3.7 V - 13 V (DC)
Operating current	0,15 A - 3 A adjustable via potentiometer
Performance	15 W
Temperature range	-10°C bis 40°C
Connections	USB Type A plug, additional solder pads for USB power lines
Special features	Temperature controlled, long life ball-bearing fan

FURTHER INFORMATION

Weight	30 g
Dimensions	68 x 30 x 21 mm
Item number	JT-HD01
Scope of delivery	1x USB electronic load
Customs tariff number	9030337000
EAN	4250236830858