

IT8511 120V / 30A / 150W

High performance and affordable single channel DC electronic load. IT8500 DC electronic loads provide you with the flexibility to test a wide range of applications from power supply, charger to battery. The high resolution voltage (1mV), current(0.1mA) measurement system provides both accuracy and convenience, and eliminates the need for a DMM, external shunts and wiring. IT8500 DC electronic loads are the most cost effective choose in your power testing application.



■ Feature

- High accuracy and resolution 1mV/0.1mA
- CC / CV / CR / CW Operation Mode
- Free software for remote control
- Intellective fan cooling
- GPIB / USB / RS232 Interface
- Self-test at power-on
- OCP / OVP / OPP / OTP Protection
- VFD display
- Battery test and short test function
- Convenient numeric keypad
- Remote sensing capability
- Auto test function without Computer

■ Specifications

| | | | |
|-----------------|------------|----------------------|------------------|
| Input Rating | - | 150W / 120V / 30A | |
| CC-MODE | Range | 0-3A | 0-30A |
| | Resolution | 0.1mA | 1mA |
| | Accuracy | 0.05%+0.1%FS | 0.1%+0.1%FS |
| CR-MODE | Range | 0.1-99Ω | 100-4KΩ |
| | Resolution | 0.01Ω | 1Ω |
| | Accuracy | 1%+0.3%FS | 1%+0.8%FS |
| CV-MODE | Range | 0-18V | 0-120V |
| | Resolution | 1mV | 10mV |
| | Accuracy | 0.05%+0.02%FS | 0.05%+0.025%FS |
| CW-MODE | Range | 0-100W | 100-150W |
| | Resolution | 1mW | 10mW |
| | Accuracy | 1%+0.1%FS | 1%+0.1%FS |
| V - Measurement | Range | 0-18V | 0-120V |
| | Resolution | 1mV | 10mV |
| | Accuracy | 0.02% + 0.02%FS | 0.02% + 0.025%FS |
| A - Measurement | Range | 0-3A | 0-30A |
| | Resolution | 0.1mA | 1mA |
| | Accuracy | 0.1% + 0.1%FS | 0.2% + 0.15%FS |
| Short Circuit | Current | ≈30A | |
| | Resistance | ≈40mΩ | |
| Tempature | Operating | 0-40 | |
| Battery Test | Capacity | MAX 999AH | |
| Transition | Frequency | 0.1Hz - 1KHz | |
| Dimension(mm) | W * H * D | 214.5 * 88.2 * 354.6 | |

■ **Standard Accessories**

- AC INPUT CABLE
- USER Manual
- Calibration Report

■ **Optional Accessories**

- IT-E131 RS232 Communication Cable
- IT-E132 USB Communication Cable
- IT-E134 GPIB Communication Cable
- IT-E151 19" Rack Mount Kit
- IT-E253 Remote Controller