

# Programmable Electronics DC Load

## VE2C1168T / VE1B2168T



Pioneer In Test Automation



### Brief Introduction :

VE2C1168T / VE1B21681T Programmable Electronic DC Load is a single input electronic DC load. It provides a convenient way to test batteries and DC power supplies. It offers Constant Voltage mode (CV), Constant Current mode (CC), Constant Resistance mode (CR) and Constant Power mode (CP). The back light LCD, numerical keypad and rotary knob make it much easier to use. It is an essential instrument for design, test and manufacture of many suitable products. Load can be increased or decreased manually in step of 1V / 100mV / 10mV / 1mV or 1A / 100mA / 10mA / 1mA or 0.1W / 1W / 10W or 0.1 Ohm / 1 Ohm / 10 Ohm / 100 Ohm.

### Main Functions :

- ✎ **Operation Modes** : Constant Current (CC) ; Constant Voltage (CV) ; Constant Resistance (CR) ; Constant Power (CP).
- ✎ **9 basic operation modes** : CCL, CCH, CVL, CVH, CRL, CRM, CRH, CPV, CPC
- ✎ High speed transient test function, max. test frequency 2kHz
- ✎ Over current, over voltage, over power, over temperature and reverse voltage protections
- ✎ 4.3-inch backlit Segment LCD display
- ✎ List Mode function, step 10ms-99999s, free to set numbers of cycles and to be linked to other lists
- ✎ Auxiliary functions: short circuit test, battery discharge capacity test
- ✎ Perfect Protection and High reliable in them most complicated test environment.
- ✎ Intelligent cooling system, ensure high stability during long-time operation under full load

### Specification :

Type		VE2C1168T	VE1B2168T		
Input Voltage (Max.)		0 ~ 150V	0 ~ 500V		
Input Power (Max.)		150W	300W		
Input Current (Max.)		0 ~ 30A	0 ~ 15A		
Voltage Accuracy		±0.1%±8mV			
Current Accuracy (Lower Range)		±0.1%±4mA			
Current Accuracy (Higher Range)		±0.1%±8mA			
Minimum Resolution		1mV / 1mA / 1m Ohm / 1mW			
Ripple & Noise	Current (rms / p-p)	3mA / 30mA	5mA / 50mA		
	Voltage (rms)	5mV	5mV		
Protective Mode		Over Voltage / Over Current / Over Power / Polarity Reverse Connection			
AC Input (Mains)		110V / 230V AC ; 47-63 HZ			
Weight		6 KG			

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