




SPECIFICATIONS

Functioning	Range	Resolution	Accuracy	Overload protection
DCV	200mV	100uV	$\pm(0.5\%rdg + 2dpts)$	500VDC/350VAC
	2000mV	1mV		1000VDC/750VAC
	20V	10mV		
	200V	100mV		
	1000V	1V		
ACV	200V	100mV	$\pm(1.2\%rdg + 10dpts)$	750VAC
	750V	1V		
DCA	200uA	100nA	$\pm(1.0\%rdg + 2dpts)$	500mA/250V Fuse
	2000uA	1uA		
	20mA	10uA		
	200mA	100uA		
	10A	10mA	$\pm(1.8\%rdg + 3dpts)$	10A Unfused
Resistor (ohms)	200Ω	100mΩ	$\pm(0.8\%rdg + 2dpts)$	Open Circuit Voltage approx. 2.8V
	2000Ω	1Ω		
	20kΩ	10Ω		
	200kΩ	100Ω		
	2000kΩ	1kΩ		
Diode		1mV	Test Current 1.5mA	Open Circuit Voltage 3.2V
Buzzer		Buzzer sounds $\leq(70\Omega + 20\Omega)$		(830D / 832 / 838 / 830C / 830E)
Transistor (hFE)	NPN/PNP	0-1000	V _{ce} approx. 3V I _b approx. 10uA	(830B / 832 / 830D / 838 / 830E)
Temperature	-40 °C - 1000 °C	1 °C	$\pm(3\%rdg + 2dpts)$	(838 / 830C / 830E)
Square Wave Output	 OUT		Approx. 3Vp-p	(832 / 830D)
Battery Test	1.5V		Dischargeable current 50mA	(830A)
	9V		Dischargeable current 5mA	

Operation instruction

- When testing DC voltage, AC voltage, DC current, resistance, diode, buzzer and battery, connect the red test lead to "V Ω mA" jack and black test lead to "COM" jack.
- When testing the current more than 200mA, connect the red test lead to "10ADC" jack and black test lead to "COM" jack
- When testing the temperature, connect the temperature probe to "V、Ω、mA" jack or "COM" jack. It can also be connected to the jack specialised for it.
- When testing the magnifying ratio of the transistor, turn the switch to hFE position and connect the transistor to the eight-hole jack.
- Square wave output: the frequency is 50Hz, the voltage is approx. 3Vp-p. The output jack is "V、Ω、mA" and "COM".

