

6012C



VICTOR 6012C VICTOR 6012D 3 5/6 Pen Type Multimeter Instruction manual

Summary

It is a pen-type multimeter with 3 5/6 digit display, stable performance, high precision, high reliability, clear reading. 180-degree flip display and overload protection function. Powered by AAA 1.5V battery, the instrument features a LCD display, it is easy to carry and can measure AC/DC voltage (True RMS). AC/DC current, resistance and on-off test, capacitance, diode, zero-line judgment, non-contact voltage detection. It is a multimeter with excellent performance, the ideal tool for laboratories, factories, radio enthusiasts and families.

Model	VICTOR 6012C		VICTOR 6012D	
	Resolution	Accuracy	Resolution	Accuracy
DC Voltage	6V/60V/600V	±(0.5%+4)	6V/60V/600V/1000V	±(0.5%+4)
	1000V	±(0.8%+10)	1000V	±(0.8%+10)
AC Voltage	6V/60V/600V	±(0.5%+4)	6V/60V/600V	±(0.5%+4)
	750V	±(0.8%+10)	750V	±(0.8%+10)
Capacitance	10nF/100nF/1μF/10μF/100μF/1mF/10mF	±(3.5%+20)	10nF/100nF/1μF/10μF/100μF/1mF/10mF	±(3.5%+20)
	60mF	±(5%+3)	60mF	±(5%+3)
Frequency			10Hz/100Hz/1kHz/10kHz/100kHz/1MHz/8MHz	±(0.1%+3)
Resistance	600Ω	±(0.8%±5)	600Ω	±(0.8%±5)
	6kΩ/60kΩ/600kΩ/6MΩ	±(0.8%±3)	6kΩ/60kΩ/600kΩ/6MΩ	±(0.8%±3)
Environmental temperature				

Special Function	VICTOR 6012C	VICTOR 6012D
Diode	✓	✓
Continuity buzzer	✓	✓
Flashlight Function	✓	✓
Data Hold	✓	✓
Display	Black and White screen	Color screen
Auto power off	✓	✓
Flashlight	✓	✓
Sample rate	about 3/sec	about 3/sec
Overrange indication	The highest digit displays "OL"	The highest digit displays "OL"
Phase sequence measurement		✓
Zero/Fire Line measurement	✓	✓
NCV measurement	✓	✓
Operation way	Auto range	Auto range

Size	170X24X21mm
Weight	Approx.50g
Power supply	1* 15V AAA
Display size	30x11.5mm
Color	Black + Orange

6012D



86B



Model	86B	86C	86D	Accuracy
DC Voltage	400mV/4V/40V/400V	400mV/4V/40V/400V	600mV/6V/60V/600V	±(0.5%+4)
	1000V	1000V	1000V	±(1.0%+6)
DC millivolts	40mV/400mV	/	/	±(0.5%+5)
	40mV/400mV	/	/	±(1.0%+6)
AC voltage	4V/40V/400V	4V/40V/400V	6V/60V/600V	±(0.8%+10)
	750V	750V	750V	±(1.0%+10)
DC current	400uA/4000uA/40mA/400mA	400uA/4000uA/40mA/400mA	600uA/6000uA/60mA/600mA	±(1.0%+10)
	4A/10A	4A/10A	6A/10A	±(1.2%+10)
AC current	400uA/4000uA/40mA/400mA	400uA/4000uA/40mA/400mA	600uA/6000uA/60mA/600mA	±(1.5%+10)
	4A/10A	4A/10A	6A/10A	±(2.0%+15)
Resistance	400Ω	400Ω	600Ω	±(0.8%+4)
	4kΩ/40kΩ/400kΩ/4MΩ	4kΩ/40kΩ/400kΩ/4MΩ	6kΩ/60kΩ/600kΩ/6MΩ	±(0.8%+4)
Capacitance	40nF	40nF	60nF	±(1.2%+10)
	400nF/4μF/40μF	400nF/4μF/40μF	600nF/6μF/60μF	±(5.0%+30)
Frequency	10Hz/100Hz/1kHz/10kHz/100kHz/1MHz/30MHz	10Hz/100Hz/1kHz/10kHz/100kHz/1MHz/30MHz	10Hz/100Hz/1kHz/10kHz/100kHz/1MHz/30MHz	±(3.5%+8)
				±(5.0%+10)
Temperature	-20°C~400°C	-20°C~400°C	-20°C~400°C	±(0.5%+4)
	400°C~1000°C	400°C~1000°C	400°C~1000°C	±(1.0%+5°C)

General specifications			
Max Display	3999 (3 3/4)	3999 (3 3/4)	5999 (3 5/6)
Simulated bar	/	/	61 segment simulation bar
Transistor	/	/	✓
Diode			✓
On/off buzzing			✓
USB			✓
Relative value			✓
Max/min			✓
Data retention			✓
LIVE			✓
NCV			✓
Backlight			Display battery symbols
Low voltage			Display "OL"
Over range			Shutdown after about 15 minutes of inactivity
Auto shutdown			3 times/second
Sampling rate			0~40 °C, relative humidity<80%
Work environment			-10~50 °C, relative humidity<80%
Storage environment			Four AAA batteries
Source			189*88*56mm
Size			Approximately 423g
Weight			Instruction manual, color box, certificate of conformity, pen, crocodile clip, cloth bag, USB data cable, K-type thermocouple, adapter (only 86D)
Parts			

86C



86D



TRUE RMS

86E *New Model*



Model	86E
	Resolution Accuracy
DC Voltage	220mV/2.2V/22V/220V ±(0.5%+10)
	1000V ±(0.1%+10)
AC voltage	220mV ±(1.0%+25)
	2.2V/22V/220V ±(0.8%+25)
	750V ±(1.0%+25)
DC current	220uA/2200uA/22mA ±(0.5%+10)
	220mA ±(0.8%+10)
	10A ±(2.0%+25)
AC current	220uA/2200uA/22mA ±(1.2%+25)
	220mA ±(1.5%+25)
	10A ±(2.5%+35)
Resistance	200Ω ±(0.5%+30)
	2.2kΩ/22kΩ/220kΩ/2.2MΩ ±(0.4%+5)
	22MΩ ±(0.5%+25)
	220MΩ ±(5.0%+10)
Capacitance	22nF/220uF/2.2uF/22uF/220uF ±(2.5%+15)
	2.2mF ±(4.0%+10)
	22mF/220mF
Frequency	22Hz/220Hz/22kHz/220kHz/2.2MHz/22MHz ±(1.0%+4)
	50MHz ±(0.2%+4)
	>50MHz
Temperature	-20°C~400°C ±(1.0%+5°C)
	400°C~1000°C ±(1.5%+15°C)
General specifications	
Max Display	22000 (4 1/2)
Simulated bar	46 segment simulation bar
Diode	✓
On/off buzzing	✓
USB	✓
Relative value	✓
Max/min	✓
Data retention	✓
Backlight	✓
Low voltage	Display battery symbols
Over range	Display "OL"
Auto shutdown	Shutdown after about 15 minutes of inactivity
Sampling rate	2times/second
Work environment	0-40 °C, relative humidity<80%
Storage environment	-10-50 °C, relative humidity<80%
Source	Four AAA batteries
Size	189*88*56mm
Weight	Approximately 423g
Parts	Instruction manual, color box, certificate of conformity, pen, crocodile clip, cloth bag, USB data cable, K-type thermocouple

Technical data

Basic Function	Range	Basic accuracy 88B	88C
DC Voltage	200mV/2V/20V/200V/1000V	±(0.5%+3)	±(0.5%+3)
AC Voltage	2V/20V/200V/750V	±(0.8%+5)	
	200mV/2V/20V/200V/750V		±(0.8%+5)
DC Current	200uA/2mA/20mA/200mA/20A	±(0.8%+4)	
	2mA/20mA/200mA/20A		±(0.8%+3)
AC Current	20mA/200mA/20A	±(1.0%+5)	
	2mA/20mA/200mA/20A		±(1.0%+5)
Resistance	200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/200MΩ	±(0.8%+3)	
	200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/200MΩ		±(0.8%+3)
Capacitance	20nF/200nF/2uF/20uF/200uF/2000uF	±(2.5%+20)	
	20nF/200nF/2uF/20uF/200uF		±(2.5%+20)
Frequency	10Hz/100Hz/1kHz/10kHz/100kHz/1MHz	±(3.0%+15)	
	2kHz/20kHz/200kHz/2000kHz/10MHz		±(0.5%+4)
Inductance	2mH/20mH/200mH/2H/20H		±(2.5%+20)
Celsius	(-20~1000)°C	±(1.0%+3)	
Fahrenheit	(0-1832)°F	±(1.5%+15)	±(1.0%+4)

Special Function	88B	88C
Diode test	✓	✓
Continuity buzzer	✓	✓
Low battery indication	✓	✓
Backlight	✓	✓
Data hold	✓	✓
Auto power off	✓	✓
Function protection	✓	✓
Restorable Fuse Protection	✓	✓
Shock proof protection	✓	✓
Input impedance	10MΩ	10MΩ
Sampling rate	3 time/s	3 time/s
AC Frequency response	(40-400)Hz	(40-400)Hz
Operation way	Manual range	Manual range
Max. Display	1999	1999
LCD size	65×45mm	65×45mm
Battery	9V(6F22)	9V(6F22)

General Characters

Product color	Case:Black;Holster color:orange
Product Net Weight	Approx:400g
Product dimension	189×97×35mm
Standard Accessories	Test leads; battery; instruction manual ; TP01 temperature probe(88B/C); Testing accessories ;
Standard inner packing	Color box
Carton size	465×317×506mm
Standard Quantity Per Carton	30PCS
Standard Gross Weight	Approx: 21kg

88B



3 1/2



88C



3 1/2

