



## ET1260A/B 6½ Benchtop Digital Multimeter



- Digital multimeter is widely used in the field of electronic testing
- Modern digital multimeter with high precision, high speed, high input impedance, digital display, the accuracy of reading, the advantages of strong anti-interference ability and high measure the degree of automation, and therefore is widely used, gain the favour of engineers.
- ET1260 multimeter equipped with 3.5 inch high resolution color display series, embedded intelligent operating system, it can provide more information, more functions, simple operation, more wide test range, construction of the system is more flexible and convenient, it is to lead the development trend of new type digital multimeter.
- Our products have double benchmark calibration function, users only need one 10 v voltage and one 10 k  $\Omega$  standard resistor can realize all the functions of calibration, the user through the calibration of the machine of time less 1 hour.

Model	instructions
ET1260A	6 1/2 bit precision digital multimeter, GPIB interface, rear panel signal input terminal.
ET1260B	6 1/2 bit precision digital multimeter, without GPIB interface, without rear panel signal input terminal.

## 1 Basic features

- 6 1/2 resolution (ET1260B/ET1260A)
- The digital multimeter is equipped with a 3.5-inch color display screen (resolution ratio is 320\*480), which is powerful enough to provide greater coverage of content, flexible display of a variety of graphical interface, and good display effects. The users can also customize the display interface depending on their needs, and choose from various display functions such as graphics, figures, maths and other functions simultaneously on the screen.
- Bi-parameter display can display two parameters in one input signal (such as display AC voltage value and AC frequency value during AC voltage measurement).
- Conduct remote operation through interfaces of IEEE 488 (ET3260), RS-232, LAN and USB Device.
- With functions of trigger input and output of measuring completion.
- The front-panel menu is with USB port for data storage, procedure updating and configuration.
- Customers can update host software by themselves.
- Two-wire and four-wire measurement for resistance, 10 $\Omega$  and 1G $\Omega$  measurement range for extension.
- Measurement of period and frequency, and frequency can reach to 300 kHz.
- Capacitance measurement.
- For temperature measurement, users can set sensor measurement by themselves.
- Maximum current measurement capacity reaches up to 12A.
- Many math functions: statistics (maximum value, minimum value and average value), zero elimination, dB, dBm and limit.
- Graphic display: tendency chart, histogram, history curve, listing and other display methods.
- Support SCPI programming language and many command sets (Agilent 34401A and Fluke 45).
- With internal and external calibration functions.

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## 2 Main technical indicators

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Model	ET1260A	ET1260B
display	3.5-inch color screen (resolution 320*480)	
Accordinging digits	6 1/2	
Signal terminal	front-end/back-end	front-end

Maximum measurement speed		2500 readings per second
function	Items	uncertainty, $\pm$ (% measurement + % range)
DCV	uncertainty	0.0035+ 0.0005
	Measuring range	0 mV~1000 V
	Maximum resolution	100nV
ACV	uncertainty	0.06 + 0.03
	Measuring range	1 mV~750 V
	Maximum resolution	100nV
	Frequency range	3 Hz ~ 300 kHz
DCI	uncertainty	0.05 + 0.006
	Measuring range	0 uA ~ 12 A
	Maximum resolution	10 pA
ACI	uncertainty	0.10 + 0.04
	Measuring range	1 uA ~ 12 A
	Maximum resolution	100 pA
	Frequency range	3 Hz ~ 10 kHz
resistance	uncertainty	0.01 + 0.001
	Measuring range	0 $\Omega$ ~ 1 G $\Omega$
	Maximum resolution	10 u $\Omega$
Frequency/period	uncertainty	0.01%
	Measuring range	3 Hz ~ 1 MHz
	Maximum resolution	1 uHz
capacitance	uncertainty	1 + 0.3
	Measuring range	0 nF ~ 100 mF

	Maximum resolution	1 pF
On- off/diode		yes
proportion(DC: DC)	reference range	100mV ~ 10 V
	Input range	100mV ~ 1000 V
temperature	type	Platinum resistance, thermistor, custom sensor
	Maximum resolution	0.001°C
Mathematical functions		Relative to (ax + b), maximum/minimum/average, standard deviation, dB, dBm, read retention, limit test
graphics		Histogram, trend graph
interface		RS-232、IEEE 488、LAN、USB Device、USB Host、Trig IN/OUT
programming language		SCPI Compatible with Agilent 34401A 、 34410和 Fluke 45
Data storage capacity		512K

**Standard accessories:**

- Model 30A51 has one three-core power cord
- 32A52 type three - core stylus 1 pair
- 32A52 backup power fuse 2

**Optional accessories:**

- GPIB cable (32 p01)
- Cabinet installation kit (32P02)
- PT100 temperature probe (32P03)
- RS232 serial port (32P04)
- USB data cable (32P05)

**General technical specifications:**

- Power voltage: 220V.AC plus or minus 10%, 45~66Hz, or 2110V.AC plus or minus 10%, 45~440Hz
- Function: < 20W
- Display: 3.5-inch TFT LCD, resolution 48x320, color 16M
- Temperature range: - 5 °C ~ + 45 °C
- Humidity range: 5%~85% relative humidity
- Interface: RS232, USBHost, USBDevice, LAN, GPIB (only 3260, 3250 support)
- Size and weight: 265mm \* 102mm \* 335mm (width \* height \* depth), weight: 2.7kg