ET3260 / ET3260A

6½-Digit Benchtop Digital Multimeter



OVERVIEW

The ET3260 series is a 6½-digit benchtop digital multimeter with a 3.5-inch high-resolution colour display, high accuracy, fast measurement and an intelligent operating system. Its dual reference calibration feature lets the user complete full-function calibration with only one 10 V standard voltage and one 10 kΩ standard resistor, in under one hour in total. The ET3260 and ET3260A share the same measurement specification; they differ in input terminals and standard interfaces (see the specification table).

FEATURES

- 6½-digit resolution with 120 % over-range display; dual display shows two parameters of the same input signal simultaneously (for example AC voltage together with AC frequency)
- Current measurement up to 12 A; trigger input and measurement-complete output
- Front-panel USB port for data storage, program upgrade and configuration
- 2-wire and 4-wire resistance measurement; 10 Ω and 1 GΩ extended ranges
- Period and frequency measurement up to 300 kHz; capacitance measurement; temperature measurement with user-defined sensors
- 12 math functions: MAX, MX+B, MIN, dB, dBm, REL, Hold, %, Average, upper/lower limit comparison, statistics (max / min / average) and reciprocal
- Graphical displays — trend chart, histogram and history curve; graph, numeric and math displays can be shown on screen at the same time
- SCPI programming language with multiple command sets; front and rear panel input terminals (ET3260); standard interfaces RS232, LAN, USB Device and USB Host, with GPIB supported on ET3260

SPECIFICATIONS

Item	ET3260	ET3260A
Display	3.5″ TFT colour LCD, 480 × 320, 16M colours · 6½ digits	
Signal terminals	Front / rear test terminals	Front test terminals

Item	ET3260	ET3260A
Interfaces	RS232 · LAN · USB Device · USB Host · Trig IN/OUT · GPIB (IEEE-488)	RS232 · LAN · USB Device · USB Host · Trig IN/OUT
Max. speed	2500 readings/s · uncertainty ±(% of reading + % of range)	
DCV	Uncertainty 0.0035 + 0.0005 · range 0 mV – 1000 V · best resolution 100 nV	
ACV	Uncertainty 0.06 + 0.03 · range 1 mV – 750 V · best resolution 100 nV · frequency range 3 Hz – 300 kHz	
DCI	Uncertainty 0.05 + 0.006 · range 0 µA – 12 A · best resolution 10 pA	
ACI	Uncertainty 0.10 + 0.04 · range 1 µA – 12 A · best resolution 100 pA · frequency range 3 Hz – 10 kHz	
Resistance	Uncertainty 0.01 + 0.001 · range 0 Ω – 1 GΩ · best resolution 10 µΩ	
Frequency / period	Uncertainty 0.01 % · range 3 Hz – 1 MHz · best resolution 1 µHz	
Capacitance	Uncertainty 1 + 0.3 · range 0 nF – 100 mF · best resolution 1 pF	
Diode / continuity	Yes	
Ratio (DC:DC)	Reference range 100 mV – 10 V · input range 100 mV – 1000 V	
Temperature	Platinum resistor, thermocouple, user-defined sensor · best resolution 0.001 °C	
Math functions	Relative (ax + b), max / min / average, standard deviation, dB, dBm, reading hold, limit test	
Graphics	Histogram, trend chart, history curve	
Programming	SCPI — compatible with Agilent 34401A / 34410A and Fluke 45 command sets	
Data storage	512K	
Power supply	220 V AC ±10 % or 110 V AC ±10 %, 45 – 65 Hz · power consumption < 20 W	
Environment	Operating temperature −5 °C to +45 °C · humidity 5 % – 85 % RH	
Size & weight	265 × 102 × 335 mm (W × H × D) · 3.2 kg	

ACCESSORIES

- **Standard:** three-core power cord × 1, test lead pair × 1, spare fuse
- **Optional:** GPIB cable (32P01) · rack mount kit (32P02) · Pt100 temperature probe (32P03) · RS232 serial cable (32P04) · USB data cable (32P05)

For quotations, options and lead time, contact Kate Liu — enquiries are answered personally, typically within one working day.