

GPS-8055C



Precision you can see. Throughput you can trust.

The GPS-8055C is a 5½-digit benchtop digital multimeter engineered for fast, reliable measurements in laboratories, production lines, and education. A dual 240,000-count color display with trend and histogram views helps you spot drift and outliers at a glance, while up to 150 readings/second keeps your workflow moving. Measure DC/AC voltage and current (True-RMS), 2/4-wire resistance, capacitance, frequency/period, continuity/diode, and temperature (TC/RTD), then log over USB Device/Host or LAN with EasyDMM software and onboard storage.

Key Features

- 240,000-count, 5½-digit dual display with color TFT-LCD; trend & histogram views.
- True-RMS AC measurements; MIN/MAX/AVG, REL, dBm/dB, pass/fail statistics.
- Fast measurements up to 150 readings/s for production and QA tasks.
- Wide measurement set: DC/AC V & A, 2/4-wire, continuity/diode, capacitance, frequency/period, temperature (TC & RTD).
- Interfaces: USB Device, USB Host (U-disk), LAN for remote control & logging; EasySDM PC software.
- 1 GB NAND storage; on-panel help and intuitive UI.

Application

- Ideal for R&D and lab characterization, production QA/line testing, and service/repair benches where throughput, traceability and readability matter. The 8055C combines high resolution with fast statistics to accelerate decision-making.

www.gpslimited.com/8055C
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GPS-8055C Benchtop Multimeter

Technical Specifications

Function	Range	Resolution	Accuracy
DC Voltage (V)	200 mV – 1000 V	down to 100 nV equiv.	± (0.015% + 0.003)
AC Voltage (V)	200 mV – 750 V (True-RMS)	—	± (0.2% + 0.05)
DC Current (A)	200 µA – 10 A	—	± (0.055% + 0.005)
AC Current (A)	20 mA – 10 A (True-RMS)	—	± (0.50% + 0.10)
Resistance (Ω)	200 Ω – 100 MΩ (2/4-wire)	—	± (0.020% + 0.003)
Capacitance (F)	2 nF – 10,000 µF	—	± (1% + 0.5)
Frequency (Hz) / Period	20 Hz – 1 MHz	—	± (0.01% + 0.003)
Temperature (°C/°F)	TC & RTD supported	—	Built-in cold-junction comp.
Display Count	Dual 240,000 counts	—	—
Sampling Rate	Up to 150 rdg/s	—	—
Interfaces	USB Device, USB Host, LAN	—	—

Standard Accessories

2 x test leads with alligator clips
 USB cable
 EasyDMM PC software
 Quick start guide
 AC power cord (100–240 V)

Measurement Category

CAT I up to 1000 V / CAT II up to 600 V (IEC 61010-1).

Overload Protection

Robust input protection across ranges.
 Replace fuses only with rated types.

Anti-interference and Input Protection

EMC designed to EN/IEC 61326-1;
 low-noise operation suitable for lab and
 production environments.

General Specifications

Item	Detail
Power	100–240 VAC, ≤ 20 W
Display	4.3" 480×272 color TFT-LCD; dual display + trend/histogram
Storage	1 GB NAND; U-disk via USB Host
Size / Mass	≈ 282 × 260 × 105 mm; ≈ 3.3 kg
Operating	Indoor; typical laboratory/production environment
Services	1-year warranty (registration); calibration & support available

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