

GPS

8055C



A high performance 5 ½ digit dual-display digital multimeter featuring a number of powerful math and statistical functions

Researchers, designers, and production test engineers can make a wide range of measurements including DC and AC volts, DC and AC current, two- and four wire Ohms, continuity, frequency, period, RTD, thermistor, and thermocouple temperatures, diode functionality, and capacitance.

The bench-top multimeter has a very sophisticated and easy to use interface and provides plenty of functions for all measurement tasks.

The use of the menu navigation is very intuitive and the device will provide precise results in all of its application areas. Whether you need a basic DMM for a student lab or a fast or accurate DMM for component, module, or assembled product, production testing, the GPS-8055C has all bases covered.

Key Features

- Up to 150rdgs/s measurement speed
- 1Gb Nand Flash total capacity
- Built-in thermocouple cold junction compensation, supports dual-display operation
- Built-in help system to facilitate information acquisition and document management
- Extensive math functions and reading displays
- Supports remote command and control, compatible with mainstream multimeter command scripts and comes standard with PC software EASYSMDM®
- 4.3 inch (480 * 272) true color TFT-LCD large screen display and comes configured for a variety communication interfaces

Ideal for

- Research and development laboratories
- Repair and maintenance
- Calibration labs
- Automatic production testing
- General benchtop applications

Technical Specifications

| Model | GPS-8055C |
|------------------------|---------------|
| Measuring Range | |
| DCV | 200mV ~ 1000V |
| DCI | 200uA ~ 10A |
| OHM(R) | 200 ~ 100M |
| ACV | 200mV ~ 750V |
| ACI | 20mA ~ 10A |
| CAP | 2nF ~ 10000uF |
| FREQ/PERI | 20Hz ~ 1MHz |
| Accuracy | |
| DCV | 0.015+ 0.003 |
| DCI | 0.055+ 0.005 |
| OHM(R) | 0.020+ 0.003 |
| ACV | 0.2 + 0.05 |
| ACI | 0.50 + 0.10 |
| CAP | 1+0.5 |
| FREQ/PERI | 0.01+0.003 |

Standard Accessories

2 x test leads w/ alligator clips
 USB cable
 EasySDM® software Quick start guide
 220V AC EU power cord (unit is 220V and 110V selectable)

Power

100-120 VAC, 400Hz
 100-240V, 30/66Hz
 20W Max

Interface

USB Device, USB Host, LAN

EMC

2004/108/EC Directive
 Applicable Standard EN 61326-1:2013

Safety

Conforming to IEC61010-1:2010
 CAT I/1000 V / CAT II/600 V
 Pollution class: 2

Shock and Vibration

Conforming to MIL-T-28800E, Class III,
 Level 5

General Specifications

| Part Numbers / Optional Accessories | | |
|-------------------------------------|--|-------------|
| Code | Item | Part Number |
| GPS-8055C | High precision 5.5 Digit benchtop multimeter | 420055 |

Dimensions

282 x 260 x 105mm / 11 x 10 x 4" (w x d x h) approx.

Mass

3.3kg/7lbs approx.

Operating

0°C ~ 50°C
 80%RH, 40°C, 24hours
 ≤3000m

Services

1 year warranty (subject to product registration with GPS Ltd)

Visit www.gpslimited.com/register-product
 Service and calibration available.

Please contact for more information

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