FEATURES

- Real 5 1/2 digit reading resolution
- Up to 150 rdgs/s measurement speed
- True-RMS AC voltage and AC current measuring
- 1 GB nand flash size, mass storage configuration files and data files
- Built-in cold terminal compensation for thermocouple temperature measurements
- USB Device, USB Host, LAN (plus GPIB with RSDM3055A only)
- Supports remote control via commands and is compatible with commands of mainstream multimeters
- Includes EasySDM computer software
- Dimensions 282 x 260 x 105 mm
- Weight 3.33 kg
- 4.3 TFT-LCD 280*272
- Support double display, Chinese and English menu
- Built-in help system makes information acquisition easier
- File management (support for U-disc and local storage)
- 3-year warranty

RS PRO Digital Multimeters - RSDM3055A Bench Digital Multimeter

RS Stock No.: 1236466

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO RSDM3055 and RSDM3055A Digital Multimeter (DMM)

RS PRO RSDM3055 (123-6465) is a 5 digit multimeter with a dual-readout display. RS PRO RSDM3055A (123-6466) is of similar specification but, in addition, includes a USB to GPIB adapter. These devices can measure capacitance, voltage, electrical current, frequency, period, temperature and resistance with diode and continuity check.

These models come equipped with a 4.3 inch TFT LCD screen. They feature many powerful math and statistical functions and are designed for users who need high performance together with multiple functions and automatic measurements. The powerful testing engine measures speed up to 150 rdgs / s.

Other attributes include 1 GB nand total memory capacity, mass storage instrument settings, historical data and external U disk storage. The instruments can support VXI11, USBTMC remote control as well as interconnection with National Instruments' LabVIEW. An SCPI command programming manual is provided in support of remote control operation programming.

RS PRO RSDM3055 (123-6465) is compatible with mainstream multimeter command sets and uses the compatible language with SCPI for transmission and control. So conversion from an existing test environment is simple.

RS PRO range of handheld and bench digital multimeters are RS approved meaning that they are great value for money and high quality you can rely on

General Specifications

Model Number (p)	RSDM3055A
Multimeter Type	Bench
Functions Measured	AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode, Frequency, Period, Resistance, Temperature
True RMS	Yes
Display Type	LCD
Operating Temperature (Min to Max)	0~50˚C
Storage Temperature (Min to Max)	-20℃-70℃
Diode Test	Yes
Continuity Test	Yes
IO Interface	USB

Digital Multimeters

Measurement

Type	Absolute Maximum Measurement	Resolution	Best Accuracy
DC Current	10A ac		0.06%
AC Current	10A dc		0.50%
Resistance	100MΩ		0.02%
DC Voltage	1000V dc		0.02%
AC Voltage	750V ac		0.20%
Capacitance	10mF		1%
Temperature	+400 (T) °C, +660 (RTD) °C, +1000 (E) °C, +1200 (J) °C, +1300 (N) °C, +1370 (K) °C, +1760 (R) °C, +1760 (S) °C, +1820 (B) °C		0.16 (RTD) °C, 0.5 (E) °C, 0.5 (J) °C, 0.5 (K) °C, 0.5 (N) °C, 0.5 (R) °C, 0.5 (T) °C, 0.6 (S) °C, 0.76 (B) °C
Frequency	1MHz		

Electrical Specifications

Battery Type	1.5 V AAA
Safety Category Voltage	600 V, 1000 V

Mechanical Specifications

Dimensions	282 x 260 x 105mm
Width	260mm
Length	282mm
Height	105mm
Weight	3.3kg

Protection Category

Safety Category Level	CAT I, CAT II

Approvals

Compliance/Certifications	IEC61010-1:2001.
Declarations	RoHS Certificate of Compliance

Similar Products

Stock No.	Brand	Product Name	Multimeter Type	Functions Measured	Digit Resolution
144-5337	RS PRO	HS608 MeterScope Handheld Digital Multimeter	Handheld	AC Current, AC Voltage, Capacitance, DC Current, DC Voltage, Frequency, Resistance, Temperature	
124-1960	RS PRO	IDM505 Handheld Digital Multimeter	Handheld	AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode, Duty Cycle, Frequency, Resistance, Temperature	