

FEATURES

- 120 000 counts, VFD display
- Dual measurement, dual display
- Basic precision of DC voltage 0.012%
- Selectable measurement speeds (slow, medium, fast)
- True RMS (AC, AC+DC) measurements
- 12 different measurement functions
- Many auxiliary functions
- Digital I/O (provides dual mode)
- Dimensions 265 x 107 x 302 mm
- Weight 2.9 kg approximately
- Standard RS-232C and USB Device Interface (Support USBCDC and USBTMC Modes)

RS PRO Digital Multimeters - IDM8351 Bench Digital Multimeter

RS Stock No.: 1233537



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 IDM-8351 Dual Measurement Digital Multimeter (DMM)

RS PRO IDM-8351 offers unprecedented functionality plus the fastest measurement speed in its class. This instrument can measure 12 functions including AC/DC voltage, AC/DC current, AC+DC voltage/current, two-wired and four-wired resistance tester, continuity beeper, diode test, capacitance, frequency and temperature.

Its auxiliary functions include maximum/minimum values, dB, dBm, compare, reading hold and algorithms. RS PRO IDM-8351 features include a VFD display, maximum 120 000 counts, 0.012% basic DC voltage accuracy and USB/RS232C interface. When using the USB interface, the operator can select either USBCDC or USBTMC mode and, when selecting USBTMC, can control the multimeter in exactly the same way as with a GPIB interface.

General Specifications

Model Number (p)	IDM8351
Multimeter Type	Bench
Functions Measured	AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode Test, Frequency, Resistance, Temperature
True RMS	Yes
Display Type	LCD
Operating Temperature (Min to Max)	0~50°C
Storage Temperature (Min to Max)	-40~70°C
Surge protection	Surge Immunity EN 61000-4-5: 2006
Diode Test	Yes
Continuity Test	Yes
Maximum Reading Rate	The fastest sampling rate is (320 Readings / sec) for ADC and PC transmission.
IO Interface	USB/RS232C interface

Measurement

Type	Absolute Maximum Measurement	Resolution	Best Accuracy
DC Current	10A dc	100nA	±0.05% + 5 Digits
AC Current	10A ac	100nA	±0.5% + 100 Digits
Resistance	100MΩ	1mΩ	±0.05% + 5 Digits
DC Voltage	1000V dc	1μV dc	±0.012% + 5 Digits
AC Voltage	750V ac	1μV ac	0.20%
Capacitance	100μF	0.01nF	±2% + 4 Digits
Temperature	+300°C	0.01°C	0.2 °C
Frequency			

Electrical Specifications

Battery Type	1.5 V AAA
Safety Category Voltage	600V

Mechanical Specifications

Dimensions	265 x 302 x 107mm
Width	302mm
Length	265mm
Height	107mm
Weight	2.9kg

Protection Category

Safety Category Level	CAT II, CAT III, CAT IV
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Approvals

Declarations	RoHS Certificate of Compliance
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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	