ROBIN

RD Digital Multimeters

800/900 Series

RD 800 Series

Developed for electrical contractors and maintenance/installation engineers each instrument in the 800 series is enclosed in a rugged case sealed against dirt, dust & moisture.

Advanced Features

A digital bar graph feature on models RD 850 and RD 870 allows the user to track a fluctuating reading. This is particularly useful when monitoring analogue feedback signals from temperature controllers, PLC's, light sensors, tachos, etc.

In the relative mode the RD 850 gives the user the capability to display a differential reading which is especially beneficial and time saving when taking comparative measurements.

All models are capable of measuring up to 10A a.c. or d.c. and also include an audible continuity checker and diode test. The top of the range RD 870 offers a 4000 count autoranging display with additional features including frequency measurement.

Each model is available in standard form with non fused test leads or supplied with fused test leads as an FT variant.*

***For meter with Fused Test Leads add suffix FT to model number when ordering. Eg. RD810/FT**

Prices With Fused Test Leads

RD 810FT £89.00, RD 830FT £99.00, RD 850FT £109.00, RD 870FT £119.00.

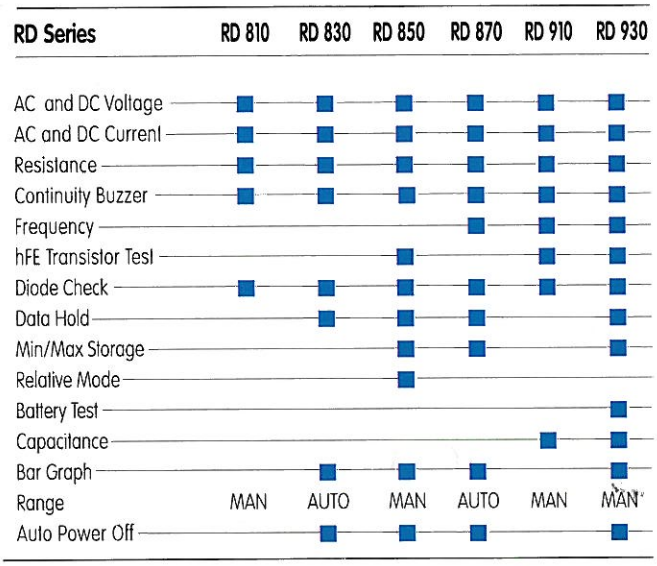
RD 900 Series

The 900 series has been developed for electronical and electronic test engineers. Their durable construction and large LCD display makes them the perfect solution for laboratory testing or field use. Standard features include the facility to test the condition of electrical components including transistors, diodes and capacitors.

Advanced Technology

Advanced features normally only associated with more expensive multimeters such as min/max mode (model 930 only) will record the maximum or minimum readings taken following its selection, allowing both peaks and troughs to be measured.

Frequency measurement is a standard feature on both the Ro910 and RO930.



TECHNICAL SPECIFICATION

Accuracy quoted as ± (% R + C) where R is Reading and C is variance of least significant digit

	RD 810	RD 830	RD 850	RD 870	RD 910	RD 930
DC Voltage Range and Accuracy	200mV 2V 20V 200V 1000V ±(0.75% + 2 dgt)	320mV 3.2V ±(0.5% + 2 dgt) 32V 320V 1000V ±(1.2% + 4 dgt)	400mV 4V ±(0.5% + 1 dgt) 40V 400V ±(0.5% + 3 dgt) 1000V ±(0.7% + 2 dgt)	400mV 4V ±(0.5% + 1 dgt) 40V 400V ±(0.5% + 3 dgt) 1000V ±(0.7% + 2 dgt)	200mV 2V 20V 200V 1000V ±(0.5% + 1 dgt)	400mV 4V ±(0.5% + 1 dgt) 40V 400V ±(0.5% + 3 dgt) 1000V ±(0.7% + 2 dgt)
AC Voltage Range and Accuracy	200mV 2V 20V 200V 750V ±(1.0% + 3 dgt)	3.2V 32V 320V 750V ±(1.2% + 4 dgt)	400mV 4V 40V 400V 750V ±(1.0% + 3 dgt)	400mV 4V 40V 400V 750V ±(1.0% + 3 dgt)	200mV 2V 20V 200V 750V ±(0.75% + 3 dgt)	400mV 4V 40V 400V 750V ± (1.0% + 3 dgt)
DC Current Range and Accuracy	200µA 2mA 20mA 200mA ±(1.0% + 2 dgt) 10A ±(1.5% + 2 dgt)	320µA ±(1.0% + 2 dgt) 3200µA ±(2.0% + 2 dgt) 32mA ±(1.0% + 2 dgt) 320mA ±(2.0% + 2 dgt) 10A ±(2.5% + 2 dgt)	4mA 40mA 400mA ±(1.5% + 2 dgt) 10A ±(2.0% + 5 dgt)	40mA 400m ±(1.5% + 2 dgt) 10A ±(2.0% + 5 dgt)	20mA 200mA ±(0.75% + 1 dgt) 10A ±(1.2% + 1 dgt)	4mA 40mA 400mA ±(1.5% + 2 dgt) 10A (±2.0% + 5 dgt)
AC Current Range and Accuracy	200µA 2mA 20mA 200mA ±(2.0% + 2 dgt) 10A ±(3.0% + 2 dgt)	320µA 3200mµA 32mA 320mA ±(2.0% + 5 dgt) 10A ±(2.5% + 5 dgt)	4mA 40mA 400mA ±(1.5% + 3 dgt) 10A ±(2.0% + 6 dgt)	40mA 400mA ±(1.5% + 3 dgt) 10A ±(2.0% + 6 dgt)	20mA 200mA ±(1.0% + 3 dgt) 10A ±(2.0% + 5 dgt)	4mA 40mA 400mA ±(1.5% + 3 dgt) 10A ±(2.0% + 6 dgt)
Resistance Range and Accuracy	200Ω 2kΩ 20kΩ 200kΩ 2MΩ ±(0.75% + 2 dgt) 20MΩ ±(1.5% + 2 dgt)	326Ω 3.2kΩ 32kΩ 320kΩ ±(1.0% + 2 dgt) 3.2MΩ 32MΩ ±(3.5% +5 dgt)	400Ω 4kΩ 40kΩ 400kΩ ±(0.7% + 2 dgt) 4MΩ ±(1.0% + 2 dgt) 40MΩ ±(2.5% + 2 dgt)	400Ω 4kΩ 40kΩ 400kΩ ±(0.7% + 2 dgt) 4MΩ ±(1.0% + 2 dgt) 40MΩ ±(2.5% + 2 dgt)	200Ω ±(0.5% + 4 dgt) 2kΩ 20kΩ 200kΩ 2MΩ ±(0.5% + 1 dgt) 20MΩ ±(1.0% + 1 dgt)	400Ω 4kΩ 40kΩ 400kΩ ±(0.7% +2 dgt) 4MΩ ±(1.0% + 2 dgt) 40MΩ ±(2.5% + 2 dgt)
Capacitance Range and Accuracy	-	-	-	-	2000pF 200nF ± (2.0% + 6 dgt) 20µF ±(5.0% + 4 dgt)	40nF 400nF 4µF 40µF ± (5.0% + 3 dgt)
Frequency Range and Accuracy	-	-	-	-	20kHz 200kHz ± (2.0% + 3 dgt)	100Hz 1kHz 10kHz 100kHz 1MHz ± (0.3% + 3 dgt)
Dimensions	180 x 85 x 35mm	180 x 85 x 35mm	180 x 85 x 35mm	180 x 85 x 35mm	180 x 85 x 35mm	180 x 85 x 35mm
Weight	290g	290g	290g	290g	290g	290g
Power Source	1 x 9V PP3	1 x 9V PP3	1 x 9V PP3	1 x 9V PP3	2 x 1.5V	2 x 1.5V

Accessories **Included:** Test Leads, Batteries, Holster, Instruction Manual, Certificate of Conformity.
Optional: Fused test leads, KA 8100 Series Clamp Adaptors, High Voltage Temperature Probe Model OMA 36, Certificate of Calibration.

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