

Product Data Sheet

Manufacturer : Robin

Model : AR6000 Series Of Electrical
Multimeters

Page 1 of 3

Robins AR6000 series of digital multimeters are compact and light weight and have been designed for demanding field conditions.

All models have been designed to safety standard EN 61010-1 and protection Class III and are the ideal solution for electrical engineers and technicians.

AR6002

The **AR 6002** is a high quality, low cost manual ranging multimeter for general purpose applications. It can measure AC and DC voltage and DC current in addition to resistance and frequency measurement. It is provided with a data hold facility and continuity buzzer for fast circuit checking.

AR6004

The **AR 6004** offers auto ranging AC and DC voltage measurement and resistance measurement to 25MQ. It is also provided with a diode check facility and continuity buzzer for rapid circuit diagnosis. It represents an ideal low cost solution for general purpose applications.

AR6006

The **AR 6006** offers a good basic accuracy and a 4300 count display. It is fully auto-ranging and has the capacity to measure temperature in addition to AC or DC voltage and current. It also provides resistance measurement to 43Mg, diode test, continuity buzzer and the ability to measure maximum and minimum values.

AR6008

The **AR 6008** is a fully featured auto ranging digital multimeter designed for fault diagnosis on electrical and electronic systems and apparatus. In addition to AC or DC voltage and current ranges it can measure capacitance, frequency and temperature. The **AR 6008** is also provided with a diode test, continuity buzzer and data hold facility.



AR6002



AR6004



AR6006



AR6008

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Product Data Sheet

Robin AR6000 Series Features

	AR 6008	AR 6006	AR 6004	AR 6002
Display Count	2500	4300	2500	1999
LCD Display	3 ¾	3 ¾	3 ½	3 ½
Ranging	Auto	Auto	Auto	Manual
Basic DC Volts Accuracy	0.25%	0.25%	0.25%	0.35%
Basic AC Volts Accuracy	0.75%	0.75%	0.75%	1.5%
DC Voltage	●	●	●	●
AC Voltage	●	●	●	●
DC Current	●	●		●
AC Current	●	●		
Diode Test	●	●	●	●
Data Hold	●		●	●
Capacitance Measurement	●			
Frequency Measurement	●			●
Max/Min		●		
Relative Mode	●	●	●	
Temperature Measurement	●	●		
Continuity Buzzer	●	●	●	●
Safety Holster	●	●	●	●

Included with all models:

SL 10 Test Leads, Safety Holster, TP I Temperature Probe (AR 6006 & AR 6008 only), Instruction Manual, Certificate of Conformity.

Optional:

Snap-Lok Fused Test Leads, Certificate of Calibration, TP 2-8 Temperature Probes (AR 6008, AR 6006 only).

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Product Data Sheet

Robin AR6000 Series Specifications Table

	AR 6008	AR 6006	AR 6004	AR 6002
DC VOLTAGE RANGE & ACCURACY	250mV \pm (0.25% + 5 dgt) 2.5V 25V 250V 600V \pm (0.25% + 1 dgt)	430Mv, 4.3mV, 43V, 430V, 600V \pm (0.25% + 1 dgt)	250mV \pm (0.25%+5dgt) 2.5V 25V 250V 600V \pm (0.25% + 1 dgt)	200mV, 2V, 20V, 200V, 600V \pm (0.35% + 1 dgt)
AC VOLTAGE RANGE & ACCURACY	250mV, 2.5V, 25V, 250V, 600V \pm (0.75% + 4 dgt)	430mV \pm (1.5% + 3 dgt) 4.3V, 43V, 430V, 600V \pm (0.75%+2 dgt) 50Hz to 100Hz	250mV 2.5V 25V 250V 600V \pm (0.75% + 4 dgt)	200V, 600V \pm (1.5% + 4 dgt)
DC CURRENT RANGE & ACCURACY	250 μ A, 25mA, \pm (0.75% + 10 dgt) 2.5mA, 250mA \pm (0.75% + 1 dgt) 2.5A, 10A \pm (3.0% + 5 dgt)	430 μ A, 43mA, 430mA \pm (0.5% + 1 dgt) 10A \pm (2.0% + 1 dgt)	250 μ A, 25mA , \pm (0.75% + 10 dgt) 2.5mA, 250 μ A \pm (0.75% + 1 dgt) 2.5A, 10A \pm (3.0% + 5 dgt)	200 μ A, 20mA, 200mA \pm (0.5% + 1 dgt) 10A \pm (3% + 1 dgt)
AC CURRENT RANGE & ACCURACY	250 μ A, 2.5mA, 25mA, 250mA \pm (1.5% + 2 dgt) 2.5A, 10A \pm (3.0% + 2 dgt)	430 μ A, 43mA, 430mA \pm (1.0% + 2 dgt) 10A \pm (2.5% + 2 dgt)	N/A	N/A
RESISTANCE RANGE & ACCURACY	250 Ω \pm (0.3% + 3 dgt) 2.5k Ω , 25k Ω , 250k Ω , 2500k Ω \pm (0.3% + 1 dgt) 25M Ω \pm (3.5% + 4 dgt)	430 Ω \pm (0.3% + 3 dgt) 4.3k Ω , 43k Ω , 430k Ω , 4300k Ω \pm (0.3% + 2 dgt) 43M Ω \pm (1.5% + 4 dgt)	N/A	200 Ω \pm (0.4% + 3 dgt) 2k Ω , 20k Ω , 200k Ω , 2M Ω \pm (0.4% + 1 dgt) 20M Ω \pm (3.0% + 3 dgt)
CAPACITANCE RANGE & ACCURACY	2.5nF, 25nF, 250nF, \pm (10% + 10 dgt) 2.5 μ F, 25 μ F \pm (3.0% + 10 dgt)	N/A	N/A	N/A
FREQUENCY RANGE & ACCURACY	5Hz, 50Hz, 500Hz, 5kHz, 50kHz, 500kHz, 5MHz \pm (0.05% + 2 dgt)	N/A	N/A	2kHz, 20kHz, 200kHz, 2000kHz, 15MHz \pm (0.1% + 1 dgt)
TEMPERATURE RANGE & ACCURACY	-20°C to 1300°C (Full) -20°C to 500°C \pm (2.0% + 3 dgt) 500°C to 1300°C \pm (3.0% + 2 dgt)	-20°C to 1300°C (Full) -20°C to 500°C \pm (2.0% + 3 dgt) 500°C to 1300°C \pm (3.0% + 2 dgt)	N/A	N/A
DIMENSIONS	192 x 91 x 53mm	192 x 91 x 53mm	192 x 91 x 53mm	192 x 91 x 53mm
WEIGHT	365g	365g	365g	365g

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