

AVO 300

Autoranging Multimeter

CAT III

Tough and compact, this digital multimeter offers great functionality and ease of use from a brand you can trust.

Features

Autoranging

Every measurement range is fully autoranging. Simply switch on the instrument and start testing, leaving hands free for holding probes, or hanging onto ladders.

Data Hold

This allows a displayed result to be held on the display until needed, rather than trying to remember a measurement. The result will be held until the HOLD button is pressed again, or until the unit switches off.

Mode

When making current measurements the mode function allow the selection of AC and DC measurement.

Voltage Measurement

Both AC and DC voltage measurement is possible with the instrument autoranging to match the voltage at the test probes. Voltage measurements up to 1000 V are permitted without damage to the instrument.

Current Measurement

Three ranges are provided for current measurement of either AC or DC current from 0.1 μ A to 10A. Fused inputs protect both the user and the instrument in the case of excess current.

Resistance, Continuity & Diode Testing

Resistance can be measured directly on the ohms range from 0ohms up to 1.999M Ω . A continuity buzzer range is also available for checking low resistance between two points. The buzzer sounding if the resistance is less than 50 Ω . Additionally a diode range exists for testing forward and reverse bias operation of transistors and diodes.

Separate Battery & Fuse Compartment

This means that both battery and fuses can be replaced without opening the main instrument body and breaking/invalidating the calibration seal.

Simple Operation

The AVO300 is easy to navigate with large buttons and central dial. Programming is just as simple with straight forward options and menus to select from the large high contrast 3 1/2 digit display.

Armoured Casing

Encased within a tough, rubber boot, the AVO300 is well protected especially when being used in a industrial setting.

Built-In Rear Stand

Provides both a bench stand as well as extending around 180 to act as a hanging basket.

AVO300 Specifications

Specifications	Range Max	Resolution	Basic Accuracy
DC Voltage	400.0mV 4.000V 40.00V 400.0V 600V	0.1mV 1mV 10mV 100mV 1V	+0.5% of rdg ± 1 digits +0.8% of rdg ± 2 digits +1% of rdg ± 2 digits
AC Voltage	4.000V 40.00V 400.0V 1000V	1mV 10mV 100mV 1V	+1% of rdg ± 5 digits +1.5% of rdg ± 5 digits
DC Current	400.0 μ A 4000 μ A 40.00mA 400.0mA 10A	0.1 μ A 1 μ A 10 μ A 100 μ A 10mA	+1.0% of rdg ± 3 digits +2.5% of rdg ± 3 digits
AC Current	400.0 μ A 4000 μ A 40.00mA 400.0mA 10A	0.1 μ A 1 μ A 10 μ A 100 μ A 10mA	1.5% of rdg ± 5 digits +3.0% of rdg ± 5 digits
Resistance	400.0 Ω 4.000k Ω 40.00k Ω 400.0k Ω 4.000M Ω 40.00M Ω	0.1 Ω 1 Ω 10 Ω 100 Ω 1k Ω 10k Ω	+0.8% of rdg ± 5 digits +0.8% of rdg ± 2 digits +3% of rdg ± 8 digits

Diode Test	(Test Current) 0.3mA typical/Open <1.5V (Resolution) > 1mV (Accuracy) +10% of rdg +5digits
Insulation	Class2, Double insulation
Overvoltage Category	CATIII 600V
Display	4000 counts LCD display, 25.4mm high
Low Battery Indication	A battery symbol is displayed when the battery voltage drops below the operating level
Over-range	OL' mark indication
Measurement Rate	2 times per second nominal
AutoPower Off	Meter automatically shuts down after approx. 15 minutes of inactivity
Operating Environment	-10C to 50C (14F to 122F) at < 70% relative humidity
Power	One 9V Battery, NEDA 1604, IEC 6F22
Dimensions	182(H) x 82(W) x 55(D)mm
Weight	375g

IN THE BOX

AVO300 Autoranging Multimeter, Standard RED/BLACK lead set with test probes and Instruction Manual

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