



ACT-AVO300 Digital Multimeter

Safety

The instrument complies with IEC61010-2-32

Power:

One 9 V battery , NEDA 1604, IEC 6F22

Dimensions

182 (H) x 82 (W) x55 (D) mm

Weight: Approx

375g

Accuracy

Accuracy is given at 18 °C to 28 °C (65 °F to 83 °F), less than 70 % RH

ACT-AVO300 DC Voltage (Auto-ranging)

Range	Resolution	Accuracy
400.0 mV	0.1 mV	+0.5% of rdg ±2 digits
4.000 V	1 mV	+0.8% of rdg ±2 digits
40.00 V	10 mV	
400.0 V	100 mV	
600 V	1000 V	+1% of rdg ±2 digits

Input Impedance: 7.8MΩ.

Maximum Input: 1000 V d.c.

ACT-AVO300 AC Voltage (Auto-ranging)

Range	Resolution	Accuracy
400.0 mV (AVO310 only)	0.1 mV	+1% of rdg ±5 digits
4.000 V	1 mV	
40.00 V	10 mV	
400.0 V	100 mV	
1000 V	1 V	+1.5% of rdg ±5 digits

Input Impedance: 7.8 MΩ.

AC Response: 50Hz 60Hz

Maximum Input: 1000 V rms

ACT-AVO300 DC Current (Auto-ranging)

Range	Resolution	Accuracy
400.0 μA	0.1 μA	+1.0% of rdg ±3 digits
4000 μA	1 μA	
40.00 mA	10 μA	
300.0 mA	100 μA	
10 A	10 mA	+2.5% of rdg ± 3 digits

Overload Protection: 0.5 A / 1000 V and 10 A / 1000 V Fuse.

Maximum Input: 4000 μA dc on μA range

400 mA dc on mA range

10 A dc on 10 A range.

ACT-AVO300 Current (Auto-ranging)

Range	Resolution	Accuracy
400.0 μA	0.1 μA	+1.5% of rdg ±5 digits
4000 μA	1 μA	
40.00 mA	10 μA	
300.0 mA	100 μA	
10 A	10 mA	+3.0% of rdg ±5 digits

Overload Protection: 0.5 A / 1000 V and 10 A / 1000 V Fuse.

AC Response: 50Hz to 400Hz

Maximum Input: 4000 μA ac rms on μA

400 mA ac rms on mA

10 A ac rms on 10 A range.

ACT-AVO300 Resistance [Ω] (Auto-ranging)

Range	Resolution	Accuracy
400.0 Ω	0.1 Ω	+0.8% of rdg ±5 digits
4.000 kΩ	1 Ω	+0.8% of rdg ±2 digits
40.00 kΩ	10 Ω	
400.0 kΩ	100 Ω	
4.000 MΩ	1 kΩ	+3% of rdg ±8 digits
40.00 MΩ	10 kΩ	

Input Protection: 1000 V d.c. or 1000 V a.c. rms.

ACT-AVO300: Diode Test

Test current	Resolution	Accuracy
0.3 mA typical/Open	<1.5 V 1 mV	+10% of rdg ±5 digits

Open circuit voltage: 1.5 V dc typical

Overload protection: 1000 V d.c. or 1000 a.c. V rms

ACT-AVO300: Diode Test

Test current	Resolution	Accuracy
0.3 mA typical/ Open MAX.1.5 V	1 mV	± 10% of rdg ±5 digits

Open circuit voltage:

MAX. <1.5 V dc typical

Overload protection: 1000 V d.c. or 1000 V a.c. rms

ACT-AVO300 Audible continuity

Audible threshold:

Less than 10 ohm to 30 Ω

Test current: MAX. 0.3 mA

Overload protection: 1000 V d.c. or 1000 V a.c. rms