

# Blue Gizmo 6-in-1 Digital Multimeter, BG68E



## Features

- Digital display count
- Analog bargraph / segments
- Electronic overload protection
- Continuity buzzer & Diode check
- Data hold function
- Auto power off
- Low battery indication
- AC current
- True RMS measurements
- 1.2" (30mm) Clamp jaw opening
- Inrush current function

## SPECIFICATIONS

	Range	Resolution	Accuracy
Sound Level	35 to 100db	0.1dB	±5 dB at 94 dB
Light	4000, 40 000 Lux	0.1Lux	± 5% rdg + 10 dgts
Humidity	Indoor 33% to 99% RH	1% RH	± 3% of rdg ± 5 dgts

Operating Environment	0°C to 40°C at < 70% RH
Storage Temperature	-10°C to 60°C at < 80% RH
Power	9V battery x 1pc
Size	170mm x 79mm x 50mm (6.7" x 3.1" x 2.0")
Weight	342 g ( 0.75 lb )
Certification	IEC/EN 61010-1:2001 and IEC/EN 61010-031:2002

Temperature	Range	Resolution	Accuracy
Indoor	0°C to 50°C	0.1°C	3% of reading ± 5 dgts
TypeK	-20°C to 750°C	1°C	3% of reading ± 9 dgts

## DC Voltage (Auto-ranging)

Range	Resolution	Accuracy
400.0 Mv	0.1 mV	± 1.0% of reading ± 4 dgts
4.000 V	1.0 mV	
40.00 V	10 mV	
400.0 V	100 mV	± 1.5% of reading ± 4 dgts
600 V	1V	

AC Voltage (Auto-ranging)

Range	Resolution	Accuracy
400.0 Mv	0.1 mV	± 1.5% of reading ± 15 dgts
4.000 V	1.0 mV	± 1.0% of reading ± 4 dgts
40.00 V	10 mV	
400.0 V	100 mV	± 1.5% of reading ± 4 dgts
600 V	1V	± 2% of reading ± 4 dgts

DC Current (Auto-ranging for  $\mu$ A and mA)

Range	Resolution	Accuracy
400.0 $\mu$ A	0.1 $\mu$ A	± 1.0% of reading ± 2 dgts
4000 $\mu$ A	1 $\mu$ A	± 1.0% of reading ± 2 dgts
400.0 mA	100 $\mu$ A	± 1.2% of reading ± 2 dgts
10.00 A	10 mA	± 2.0% of reading ± 5 dgts

AC Current (Auto-ranging for  $\mu$ A and mA)

Range	Resolution	Accuracy
400.0 $\mu$ A	0.1 $\mu$ A	± 1.2% of reading ± 2 dgts
4000 $\mu$ A	1 $\mu$ A	± 1.2% of reading ± 2 dgts
400.0 mA	100 $\mu$ A	± 1.5% of reading ± 2 dgts
10.00 A	10 mA	± 2.0% of reading ± 5 dgts

Resistance (Auto-ranging)

Range	Resolution	Accuracy
400.0 $\Omega$	0.1 $\Omega$	± 1.5% of reading ± 4 dgts
4.000 k $\Omega$	1 $\Omega$	
40.00 k $\Omega$	10 $\Omega$	
400.0 k $\Omega$	100 $\Omega$	± 2.0% of reading ± 2 dgts
4.000 k $\Omega$	10 k $\Omega$	± 2.0% of reading ± 2 dgts
40.00 M $\Omega$	1 M $\Omega$	± 2.5% of reading ± 2 dgts

Capacitance (Auto-ranging)

Range	Resolution	Accuracy
50.00 nF	10 pF	± 5.0% of reading ± 7 dgts
500.0 nF	0.1 nF	
5.000 $\mu$ F	1 nF	± 3.0% of reading ± 5 dgts
50.00 $\mu$ F	10 nF	
100.0 $\mu$ F	0.1 $\mu$ F	± 4.0% of reading ± 5 dgts

Frequency (Auto-ranging)

Range	Resolution	Accuracy
5.000 Hz	0.001 Hz	± 1.2% of reading ± 3 dgts
50.00 Hz	0.01 Hz	
500.0 Hz	0.1 Hz	
5.000 kHz	1 Hz	
50.00 kHz	10 Hz	
500.0 kHz	100 Hz	
10.00 MHz	1 kHz	± 1.5% of reading ± 4 dgts