

Di-LOG
...measurably better

DL9308

True RMS Digital Multimeter



- Large Backlit LCD Display
- Min/Max & Peek Hold
- Auto Power Off
- Data Hold
- Double Moulded
- Full Range Protection
- 4000 Counts LCD Display

- AC/DC Voltage to 1000V,
- AC/DC Current to 10A
- Resistance to 40 MΩ
- Capacitance to 40mF
- Audible Continuity to 35Ω

- Frequency to 10MHz
- Temperature to 1400 °F
- Diode Test
- EN61010-1, CAT IV 600V
CAT III 1000V

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SPECIFICATIONS

DC Voltage (Auto-ranging)

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

Input Impedance: 7.8MΩ.

Maximum Input: 1000V DC or 1000V AC rms.

AC Voltage (Auto-ranging)

Range	Resolution	Accuracy
400.0mV	0.1mV	±0.8 % of rdg ± 3 dgts
4.000V	1mV	±0.8 % of rdg ± 2 dgts
40.00V	10mV	±0.8 % of rdg ± 2 dgts
400.0V	100mV	±0.8 % of rdg ± 2 dgts
1000V	1V	±1.2 % of rdg ± 5 dgts

Input Impedance: 7.8MΩ.

Frequency Range: True RMS, 50 to 400Hz

Maximum Input: 1000V DC or 1000V AC rms.

DC Current (Auto-ranging)

Range	Resolution	Accuracy
400.0uA	0.1uA	±1.2 % of rdg ± 3 dgts
4000uA	1uA	±1.2 % of rdg ± 3 dgts
40.00mA	10uA	±1.2 % of rdg ± 3 dgts
400.0mA	100uA	±1.2 % of rdg ± 3 dgts
10A	10mA	±2.5 % of rdg ± 5 dgts

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

Maximum Input: 400uA DC on uA range, 400mA DC rms on mA range, 10A DC on 10A range

AC Current (Auto-ranging)

Range	Resolution	Accuracy
400.0uA	0.1uA	±1.5 % of rdg ± 5 dgts
4000uA	1uA	±1.5 % of rdg ± 5 dgts
40.00mA	10uA	±1.5 % of rdg ± 5 dgts
400.0mA	100uA	±1.5 % of rdg ± 5 dgts
10A	10mA	±3.0 % of rdg ± 5 dgts

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

Frequency Range: True RMS, 50 to 60Hz.

Maximum Input: 400uA AC on uA range, 400mA AC on mA range, 10A AC on 10A range

Resistance (Auto-ranging)

Range	Resolution	Accuracy
400.0Ω	0.1Ω	±0.8 % of rdg ± 5 dgts
4.000kΩ	1Ω	±0.8 % of rdg ± 2 dgts
40.00kΩ	10Ω	±0.8 % of rdg ± 2 dgts
400.0kΩ	100Ω	±0.8 % of rdg ± 2 dgts
4.000MΩ	1kΩ	±2.5 % of rdg ± 8 dgts
40.00MΩ	10kΩ	±2.5 % of rdg ± 8 dgts

Input Protection: 1000V DC or 1000V AC RMS.

Frequency (Auto-ranging)

Range	Resolution	Accuracy
4.000kHz	1Hz	±1.2 % of rdg ± 3 dgts
40.00kHz	10Hz	±1.2 % of rdg ± 3 dgts
400.0kHz	100Hz	±1.2 % of rdg ± 3 dgts
10.00MHz	1kHz	±1.5 % of rdg ± 4 dgts

Sensitivity: >0.5V RMS while <1Mhz

Sensitivity: >3V RMS while > 1Mhz

Input Protection: 1000V DC or 1000V AC RMS

Capacitance (Auto-ranging)

Range	Resolution	Accuracy
4.000nF	1pF	±5.0 % of rdg ± 20dgts
40.00nF	10pF	±5.0 % of rdg ± 7 dgts
400.0nF	0.1nF	±3.0 % of rdg ± 5 dgts
4.000uF	1nF	±3.0 % of rdg ± 5 dgts
40.00uF	10nF	±3.0 % of rdg ± 5 dgts
400.0uF	0.1uF	±3.0 % of rdg ± 5 dgts
4.000mF	0.001mF	±10 % of rdg ± 10 dgts
40.00mF	10.00mF	±10 % of rdg ± 10 dgts

Input Protection: 1000V DC or 1000V AC RMS.

Temperature (Auto-ranging)

Range	Resolution	Accuracy
-20°C - 760°C	1°C	±3% of rdg ± 5 dgts
-4°F - 1400°F	1°F	±3% of rdg ± 9 dgts

Sensor: Type K Thermocouple

Overload Protection: 1000V DC or AC RMS.

Diode Test

Test current: 1mA typical/Open MAX 3V DC

Open circuit voltage: MAX 3V DC

Overload protection: 1000V DC AC RMS.

Audible continuity

Audible threshold: Less than 35Ω;

Test current: MAX 1.5mA

Overload protection: 1000V DC or AC RMS.

Miscellaneous

Supplied with 1x 9V battery

Dimensions: 182(H) x 82(W) x 55(D) mm

Weight: 360g

**All Di-log Multimeters
supported by a
2 Year Warranty**



IEC: 61010-1:2001 and IEC,
61010-031:2002

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