

Di-LOG
...measurably better

DL9205

Compact Auto Ranging Multimeter



- Large LCD Display
- Double Moulded
- Auto Power Off
- Data Hold
- Safety Design
- Full Range Protection
- 4000 Counts LCD Display

- AC Voltage to 600V,
- DC Voltage to 600V
- AC & DC Current to 10A
- Resistance to 40MΩ
- Capacitance from 1pF to 200.0uF

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

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SPECIFICATIONS

DC Voltage (Auto-ranging)

Range	Resolution	Accuracy
400.0mV	0.1mV	±1.5 % of rdg ± 2 dgts
4.000V	1mV	±1.2 % of rdg ± 2 dgts
40.00V	10mV	±1.2 % of rdg ± 2 dgts
400.0V	100mV	±1.2 % of rdg ± 2 dgts
6000V	1V	±1.5 % of rdg ± 2 dgts

Input Impedance: 7.8MΩ.
Maximum Input: 600V DC or 600V AC rms.

AC Voltage (Auto-ranging except 400mV)

Range	Resolution	Accuracy
400.0mV	0.1mV	±1.5 % of rdg ± 15 dgts
4.000V	1mV	±1.2 % of rdg ± 3 dgts
40.00V	10mV	±1.5 % of rdg ± 3 dgts
400.0V	100mV	±1.5 % of rdg ± 3 dgts
600V	1V	±2.0 % of rdg ± 4 dgts

Input Impedance: 7.8MΩ.
Frequency Range: 50 to 400Hz
Maximum Input: 600V DC or 600V AC rms.

DC Current (Auto-ranging for uA and mA)

Range	Resolution	Accuracy
400.0uA	0.1uA	±1.0 % of rdg ± 3 dgts
4000uA	1uA	±1.5 % of rdg ± 3 dgts
40.00mA	10uA	±1.5 % of rdg ± 3 dgts
400.0mA	100uA	±1.5 % of rdg ± 3 dgts
10A	10mA	±2.5 % of rdg ± 5 dgts

Overload Protection: 0.5A / 250V and 10A / 250V Fuse.
Maximum Input: 400mA DC or 400mA AC rms on uA / mA ranges, 10A DC or AC on 10A range (30 second max every 15 minutes)

AC Current (Auto-ranging for uA and mA)

Range	Resolution	Accuracy
400.0uA	0.1uA	±1.5 % of rdg ± 5 dgts
4000uA	1uA	±1.8 % of rdg ± 5 dgts
40.00mA	10uA	±1.8 % of rdg ± 5 dgts
400.0mA	100uA	±1.8 % of rdg ± 5 dgts
10A	10mA	±3.0 % of rdg ± 7 dgts

Overload Protection: 0.5A / 250V and 10A / 250V Fuse.
Frequency Range: 50 to 400 Hz.
Maximum Input: 400mA DC or 400mA AC rms on uA / mA ranges, 10A DC or AC rms on 10A range (30 second max every 15 minutes)

Resistance

Range	Resolution	Accuracy
400.0Ω	0.1Ω	±1.2 % of rdg ± 4 dgts
4.000kΩ	1Ω	±1.0 % of rdg ± 2 dgts
40.00kΩ	10Ω	±1.2 % of rdg ± 2 dgts
400.0kΩ	100Ω	±1.2 % of rdg ± 2 dgts
4.000MΩ	1kΩ	±1.2 % of rdg ± 2 dgts
40.00MΩ	10kΩ	±2.0 % of rdg ± 3 dgts

Input Protection: 250V DC or 250V AC rms.

Capacitance

Range	Resolution	Accuracy
4.000nF	1pF	±5.0 % of rdg ± 50dgts
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
200.0uF	0.1uF	±5.0 % of rdg ± 5 dgts

Input Protection: 250V DC or 250V AC rms.

Frequency (Auto-ranging)

Range	Resolution	Accuracy
9.999Hz	0.001Hz	
99.99Hz	0.01Hz	±1.5 % of rdg ± 5 dgts
999.9Hz	0.1Hz	±1.2 % of rdg ± 3 dgts
9.999kHz	1Hz	±1.2 % of rdg ± 4 dgts
99.99kHz	10Hz	±1.2 % of rdg ± 5 dgts
999.9kHz	100Hz	
9.999MHz	1kHz	±1.5 % of rdg ± 4 dgts

Sensitivity: >0.5V RMS while <1Mhz
Sensitivity: >3V RMS while > 1Mhz
Overload Protection: 250V DC or AC rms

Duty Cycle

Range	Resolution	Accuracy
0.1% - 99.9%	0.1%	±1.2 % of rdg ± 2 dgts

Pulse Width: >100us, <100ms; **Frequency Width:** 5Hz - 150kHz
Sensitivity: >0.5V RMS; **Overload Protection:** 250V DC or AC rms

Temperature

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

Sensor: Type K Thermocouple
Overload Protection: 250V DC or AC rms

Diode Test

Test current: 0.3mA typical
Open circuit voltage: 1.5V dc typical
Overload protection: 250V DC or AC rms.

Audible continuity

Audible threshold: Less than 150Ω;
Test current: <0.3mA
Overload protection: 250V DC or AC rms.

Miscellaneous

Supplied with 1x 9V battery
 Dimensions: 150(H) x 70(W) x 48(D) mm
 Weight: 255g

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



EMC & LVD
 EN: 50081-1, 50082-1
 EN: 61010-1, EN 61010-02-031

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