

Di-LOG
...measurably better

DL6401-DL6402

Digital Clamp Meter



- Large LCD Display
- Double Moulded
- Auto Power Off
- Data Hold
- 30mm Clamp
- 2000 Counts LCD Display
- Electronic Overload Protection

DL6401 & DL6402

- AC-DC Voltage to 600V,
- AC-DC Current to 1000A
(DL6401 AC Current Only)
- Resistance to 40M Ω
(DL6401 20M Ω)

DL6402 Only

- Diode Measurement
- Temperature to 1000 $^{\circ}$ C
- Frequency & Duty Cycle
- Continuity to 100 Ω
- Capacitance to 100.0uF

www.dilog.co.uk

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SPECIFICATIONS

DC Voltage

Range	Resolution	Accuracy
400.0mV	0.1mV	$\pm 0.8\%$ of rdg ± 3 dgts
4.000V	1mV	$\pm 1.5\%$ of rdg ± 3 dgts
40.00V	10mV	$\pm 1.5\%$ of rdg ± 3 dgts
400.0V	100mV	$\pm 1.5\%$ of rdg ± 3 dgts
600V	1V	$\pm 2.0\%$ of rdg ± 2 dgts

Maximum Input: 600V DC

AC Voltage

Range	Resolution	Accuracy
400.0mV	0.1mV	$\pm 1.8\%$ of rdg ± 20 dgts
4.000V	1mV	$\pm 1.8\%$ of rdg ± 5 dgts
40.00V	10mV	$\pm 1.8\%$ of rdg ± 5 dgts
400.0V	100mV	$\pm 1.8\%$ of rdg ± 5 dgts
600V	1V	$\pm 2.5\%$ of rdg ± 5 dgts

Maximum Input: 600VAC

Note: No Autoranging on 400mV Range

DC Current - DL6402 Only

Range	Resolution	Accuracy
40.00A	10mA	$\pm 2.8\%$ of rdg ± 10 dgts
400.0A	100mA	$\pm 2.8\%$ of rdg ± 5 dgts
1000A	1A	$\pm 3.0\%$ of rdg ± 5 dgts

Maximum Input: 1000A

AC Current

Range	Resolution	Accuracy
40.00A	10mA	$\pm 3.0\%$ of rdg ± 10 dgts
400.0A	100mA	$\pm 3.0\%$ of rdg ± 5 dgts
1000A	1A	$\pm 3.0\%$ of rdg ± 5 dgts

Maximum Input: 1000A

Resistance

Range	Resolution	Accuracy
400.0 Ω	0.1 Ω	$\pm 1.0\%$ of rdg ± 4 dgts
4.000k Ω	1 Ω	$\pm 1.5\%$ of rdg ± 2 dgts
40.00k Ω	10 Ω	$\pm 1.5\%$ of rdg ± 2 dgts
400.0k Ω	100 Ω	$\pm 1.5\%$ of rdg ± 2 dgts
4.000M Ω	1k Ω	$\pm 1.5\%$ of rdg ± 2 dgts
20.00M Ω	10k Ω	$\pm 3.5\%$ of rdg ± 10 dgts
40.00M Ω	10k Ω (DL6402)	$\pm 3.5\%$ of rdg ± 10 dgts

Input Protection: 250V DC or 250V AC

Capacitance - DL6402 only

Range	Resolution	Accuracy
40.00nF	10pF	$\pm 5.0\%$ of rdg ± 100 dgts
400.0nF	0.1pF	$\pm 3.0\%$ of rdg ± 5 dgts
4.000uF	1nF	$\pm 3.5\%$ of rdg ± 5 dgts
40.00uF	10nF	$\pm 3.5\%$ of rdg ± 8 dgts
100.0uF	0.1uF <20uF	$\pm 5.0\%$ of rdg ± 5 dgts

Input Protection: 250V DC or 250V AC

Diode Test - DL6402 only

Test current: 0.3mA typical

Open circuit voltage: 1.5V DC typical

Overload protection: 250V DC or AC

Audible continuity - DL6402 only

Audible threshold: Less than 100 Ω

Test current: <1mA

Overload protection: 250V DC or 250VAC.

Temperature - DL6402 only

Range	Resolution	Accuracy
-20 to 100.0 $^{\circ}$ C		$\pm 3.0\%$ of rdg ± 5 dgts
-4 to 1832 $^{\circ}$ F		$\pm 3.0\%$ of rdg ± 7 dgts

Maximum Input: 60V DC or 24V AC

Frequency - DL6402 only

Range	Resolution	Accuracy
5.000Hz	0.001Hz	$\pm 1.5\%$ of rdg ± 5 dgts
50.00Hz	0.01 Hz	$\pm 1.2\%$ of rdg ± 2 dgts
500.0Hz	0.01Hz	$\pm 1.2\%$ of rdg ± 2 dgts
5.000kHz	1Hz	$\pm 1.2\%$ of rdg ± 2 dgts
50.00kHz	10Hz	$\pm 1.2\%$ of rdg ± 2 dgts
100.0kHz	100Hz	$\pm 1.2\%$ of rdg ± 2 dgts

Maximum Input: 250V DC or 250V AC

Duty Cycle - DL6402 only

Range	Resolution	Accuracy
0.5 to 99%		$\pm 3.0\%$ of rdg $\pm 5^{\circ}$ C
Pulse width: 100us to 100us, Frequency: 5.000Hz		

Miscellaneous

Supplied with 1x 9V battery

Dimensions: 229(H) x 80(W) x 49(D) mm

Weight: 303g

**All Di-log Clamp Meters
supported by a
2 Year Warranty**



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

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