



Newly upgraded with dual level NCV and CAT IV 300V rating



Functions

- 750V AC/1000V DC
- AC current: 2000μA
- AC current (Clamp): 400A
- Temperature range (K-Type):
-22° to 752°F (-30° to 400°C)
- Capacitance: 2000μF
- Frequency/ Duty cycle
- Resistance: 40MΩ
- Diode test
- Continuity
- Non-contact voltage
detection: 24V to 600V AC

Features

- Dual display
- High contrast backlit display
- Min/Max
- Input jack lock
- Worklight
- Low battery display lock
- Test lead storage
- Magnetic mount
- User temperature calibration
- Auto power off
- Test lead holder on clamp head
- Compatible with common industry
accessory heads
- 3-Year limited warranty



Applications





Includes

- Test Leads
- K-Type Temperature probe
- 2 AAA Batteries
- Manual
- Zippered pouch

Specifications

DC Volts

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	$\pm(0.5\% + 4 \text{ dgts})$	1000V RMS
4V	1mV		
40V	10mV		
400V	100mV		
1000V	1V	$\pm 0.8\% + 10$	

AC Volts (45Hz to 400Hz)

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	$\pm(2.0\% + 5 \text{ dgts})$	750V RMS
4V	1mV		
40V	10mV		
400V	100mV		
750V	1V		

AC Amps Measurement - Jaw Input (45~400Hz)

Range	Resolution	Accuracy	Overload Protection
40A	0.01A	$\pm(2.9\% + 15 \text{ dgts})$	400A
400A	0.1A	$\pm(1.9\% + 8 \text{ dgts})$	

DC Low Amps Measurement (Test Lead Input)

Range	Resolution	Accuracy	Overload Protection
400μA	0.01μA	$\pm(1.2\% + 3 \text{ dgts})$	2000μA/600V RMS
2000μA	0.1μA		

AC Low Amps Measurement (Test Lead Input 45Hz to 400Hz)

Range	Resolution	Accuracy	Overload Protection
400μA	0.01μA	$\pm(2.0\% + 5 \text{ dgts})$	2000μA/600V RMS
2000μA	0.1μA	$\pm(1.5\% + 5 \text{ dgts})$	

Resistance

Range	Resolution	Accuracy	Overload Protection
400Ω	100mΩ	$\pm(1.0\% + 4 \text{ dgts})$	600V RMS
4kΩ	1Ω		
40kΩ	10Ω		
400kΩ	100Ω		
4MΩ	1kΩ	$\pm(2.0\% + 4 \text{ dgts})$	
40MΩ	10kΩ		

Duty (%) Cycle Measurement

Range	Accuracy	Overload Protection
01. to 99.9%	$\pm(0.2\% \text{ per kHz} + 0.1\%) + 5 \text{ counts}$	600V RMS

0.5Hz to 100kHz (pulse width >2μsec)

Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
40nF	0.01nF	$\pm(3.5\% + 6 \text{ dgts})$	600V RMS
400nF	0.1nF		
4μF	0.001μF		
40μF	0.01μF		
400μF	0.1μF		
2000μF	1μF		

DL379B: Capacitance range to 2000μF

Diode Test

Range	Open Circuit V	Test Current	Overload
2.0V	<1.6V DC	0.25mA	600V RMS

Frequency Measurement

Range	Resolution	Accuracy	Overload Protection
9.999Hz	0.001Hz	$\pm(0.1\% + 4 \text{ dgts})$	600V RMS
99.99Hz	0.01Hz		
999.9Hz	0.1Hz		
9.999kHz	1Hz		
99.99kHz	10Hz		
199.9kHz	100Hz		

Minimum Frequency: 0.5Hz, DC V offset should be zero

Sensitivity: >10% of each AC Volt range except 4V (>20%) range only

Temperature Measurement

Range	Resolution	Accuracy	Overload Protection
-22° ~ 14°F	0.1°F	$\pm(1.0\% + 5.4°F)$	30V RMS
15° ~ 752°F		$\pm(1.0\% + 3.6°F)$	
(-30° ~ -10°C)	(0.1°C)	(1.0% + 3.0°C)	
(-9° ~ 400°C)		($\pm 1.0\% + 2.0°C$)	

Continuity Measurement

Open Circuit Voltage <0.44V	Overload Protection
Threshold Approximately <50Ω	600V RMS

