



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



## Functions

- True RMS
- 750V AC/1000V DC
- AC current: 2000 $\mu$ A
- AC current (Clamp): 400A
- Temperature range (K-Type): -22° to 752°F (-30° to 400°C)
- Capacitance: 4000 $\mu$ F
- Frequency/ Duty cycle
- Resistance: 40M $\Omega$
- Diode test
- Continuity
- Non-contact voltage detection: 24V to 600V AC

## Features

- Dual display
- High contrast backlit display
- Detachable clamp head
- 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	±(0.5% + 4 dgts)	1000V RMS
4V	1mV		
40V	10mV		
400V	100mV		
1000V	1V	±0.8% + 10	

### AC Volts (45Hz to 400Hz)

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	±(2.0% + 5 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	±(2.9% + 15 dgts)	400A
400A	0.1A	±(1.9% + 8 dgts)	

### DC Low Amps Measurement (Test Lead Input)

Range	Resolution	Accuracy	Overload Protection
400µA	0.01µA	±(1.2% + 3 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	±(2.0% + 5 dgts)	2000µA/600V RMS
2000µA	0.1µA	±(1.5% + 5 dgts)	

### Resistance

Range	Resolution	Accuracy	Overload Protection
400Ω	100mΩ	±(1.0% + 4 dgts)	600V RMS
4kΩ	1Ω		
40kΩ	10Ω		
400kΩ	100Ω		
4MΩ	1kΩ		
40MΩ	10kΩ	±(2.0% + 4 dgts)	

### Duty (%) Cycle Measurement

Range	Accuracy	Overload Protection
01. to 99.9%	±(0.2% per kHz + 0.1%) + 5 counts	600V RMS

0.5Hz to 100kHz (pulse width >2µsec)

### Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
40nF	0.01nF	±(3.5% + 6 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	±(0.1% + 4 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	±(1.0% + 5.4°F)	30V RMS
15° ~ 752°F		±(1.0% + 3.6°F)	
(-30° ~ -10°C)	(0.1°C)	(1.0% + 3.0°C)	
		(±1.0% + 2.0°C)	

### Continuity Measurement

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

## Downloads



Manual



Data Sheet



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