



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



## Functions

- 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: 2000 $\mu$ 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
- 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)  |                     |
| (-9° ~ 400°C)  |            | (±1.0% + 2.0°C) |                     |

### Continuity Measurement

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

## Downloads



Manual



Data Sheet



Made in KOREA