



DL279KIT

Clamp-On Meter Kit

ALL YOU NEED FOR HVAC/R APPLICATIONS

Featuring The New

WORKLIGHT

Featuring The New

DETACHABLE HEAD

■ **DL279 (PHOENIX II) Clamp-On Meter**

- Detachable Clamp Head
- Worklight
- 40M Ω Resistance/Continuity
- 4000 μ F Capacitance
- -40 ~ 752°F Temperature (K type)
- Frequency/Duty Cycle
- μ A for Flame Safeguard
- Non-Contact Voltage
- Diode & MIN/MAX
- Magnetic Mount
- Dual Backlight Display
- Test Lead Storage
- Test Lead Holder on Clamp Head
- Data hold
- Auto Off
- Three year limited warranty

■ **CH2 (The HOOK) Extended Clamp Head**

- Measures 100A AC
- Easily reaches into tight spaces
- Patent pending hook design shields readings from adjacent wires
- Features a worklight for dark work spaces
- Works exclusively with The Phoenix Clamp Meter Series
- Three year limited warranty



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The DL279 – All you need for HVAC/R Applications. The Phoenix Series II offers the highest combination of function, features, and safety offered in a meter today. Combined with The Hook extended clamp head, no contractor will have to compromise their safety, efficiency, or comfort.

DL279 Specifications

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

Range	Resolution	Accuracy	Overload Protection
40A	0.01A	±2.9% +15 dgts	600V
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
2000µA	0.1µA		

AC Low Amps Measurement (test lead input)

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

DC Volts Measurement

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	±0.5% +4 dgts	600V
4V	1mV		
40V	10mV		
400V	100mV		
1000V	1V	±0.8% +10 dgts	

AC Volts Measurement (45Hz to 400Hz)

Range	Resolution	Accuracy	Overload Protection
4V	1mV	±2.0% +5 dgts	600V
40V	10mV		
400V	100mV		
750V	1V		

Ohms Measurement

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

Diode Test

Range	Open Circuit Voltage	Test Current (typical)	Overload Protection
2.0V	< 3.0V DC	0.25mA	600V

Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
40nF	0.01nF	±3.5% +6 dgts	600V
400nF	0.1nF		
4µF	0.001µF		
40µF	0.01µF		
400µF	0.1µF		
4000µF	1µF		

Temperature Measurement

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

Frequency Measurement

Range	Resolution	Accuracy	Overload Protection
9.999Hz	0.001Hz	±0.1% +4 dgts	600V
99.99Hz	0.01Hz		
999.9Hz	0.1Hz		
9.999kHz	1Hz		
99.99kHz	10Hz		

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

Sensitivity: > 1.0V rms

Duty (%) Cycle Measurement

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

0.5Hz to 100KHz (pulswidth > 2µ sec)

Continuity Measurement

Open Circuit voltage <2.7V	Overload Protection
Threshold Approximately <20Ω	600V

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