

Industrial Multimeter with Wireless Capabilities and High-end Accuracy



Designed by us, made by us

Functions

- True RMS
- 1000V AC/DC
- Resistance 50MΩ
- Diode test
- Audible continuity
- 10A AC/ 20A DC
- Capacitance 9999μF
- Temperature -49° to 1112°F (-45° to 600°C)
- Frequency 99.99 kHz
- Microamps
- Duty cycle 99.99%
- Relative mode
- Watt (Power factor)
- Low Z

Features

- Wireless capability
- Free App
- Min/Max
- Hold
- 1 ms Fast response
- 6 ft drop protection
- IP42 ingress protection
- Low battery indicator
- Rubber boot w/ kick stand
- Test lead holders
- High resolution backlit display
- 24 segment bargraph
- Auto ranging
- Auto power off
- 2-Year limited warranty

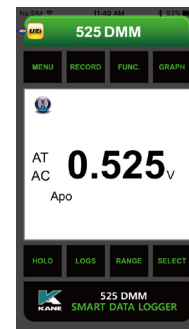


Includes

- Pouch
- Manual
- Batteries (AA) 4
- Silicone test leads (ATL57) without caps
- Alligator clips
- Thermocouple
- Fast Fuse: 600ma/1000V and 11A/100V

Applications

- Current measurements
- Measure electrical loads
- Motor or line current
- Measure circuit breakers
- Circuit continuity or specified resistance
- Control voltage or system board voltage checks
- Diode test malfunction/ unbroken paths
- Ambient or surface temperatures





Specifications

AC V

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
	45Hz to 500Hz 500Hz to 5kHz		
6.000V	±(0.75% +5 dgts) ±(2.0% +8 dgts)	0.001V	1000V
60.00V		0.01V	
600.0V		0.1V	
1000V	±(0.75% +8 dgts) ±(2.0% +8 dgts)*	1V	

Minimum sensitivity: 0.5V AC (auto selection mode)

*Accuracy for 400Hz to 1kHz only

DC V

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
6.000V to 1000V	±(0.2% +5 dgts)	0.001V to 1V	1000V

Minimum sensitivity: 0.5V DC (auto selection mode)

ACmV

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
	45Hz to 500Hz 500Hz to 5kHz 5kHz to 20kHz		
600.0mV	±(0.75% +5 dgts) ±(2.0% +8 dgts) ±(2.0% +20 dgts)	0.1mV	600V

DCmV

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
600.0mV	±(0.2% +5 dgts)	0.1mV	600V

AC μA

RANGES	ACCURACY	BURDEN VOLTAGE	RESOLUTION	OVERLOAD PROTECTION
	45Hz to 500Hz 500Hz to 5kHz			
600.0μA	±(1.0% +5 dgts) ±(1.5% +10 dgts)	100μV/ μA	0.1μA	600mA /1000V Fast Fuse
6000μA			1μA	

ACmA

RANGES	ACCURACY	BURDEN VOLTAGE	RESOLUTION	OVERLOAD PROTECTION
60.00mA	±(1.0% +5 dgts) ±(1.5% +10 dgts)	2mV/mA	0.01mA	600mA /1000V Fast Fuse
400.0mA			0.1mA	

AC A

RANGES	ACCURACY	BURDEN VOLTAGE	RESOLUTION	OVERLOAD PROTECTION
6.000A	±1(2% +5 dgts) ±(2.0% +10 dgts)	0.02V/A	0.0001A	11A/1000V Fast fuse
10.00A			0.01A	

Minimum sensitivity: 500mA AC (auto selection mode only)

DC μA

RANGES	ACCURACY	BURDEN VOLTAGE	RESOLUTION	OVERLOAD PROTECTION
600.0μA	±(0.8% +5 dgts)	100μV/μA	0.1μA	600mA /1000V Fast Fuse
6000μA			1μA	

DC mA

RANGES	ACCURACY	BURDEN VOLTAGE	RESOLUTION	OVERLOAD PROTECTION
60.00mA	±(0.8% +5 dgts)	2mV/mA	0.01mA	600mA /1000V Fast Fuse
400.0mA			0.1mA	

DC A

RANGES	ACCURACY	BURDEN VOLTAGE	RESOLUTION	OVERLOAD PROTECTION
6.000A	±(1.0% +5 dgts)	0.02V/A	0.0001A	11A/1000V Fast fuse
10.00A			0.01A	

Minimum sensitivity: 500mA DC (auto selection mode only)

RESISTANCE

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
600.0Ω	±(0.3% +5 dgts)	0.1Ω	600V
6.000kΩ		0.001kΩ	
60.00kΩ		0.01kΩ	
600.0kΩ	±(0.75% +5 dgts)	0.1kΩ	
6.000MΩ		0.001MΩ	
50.00MΩ		0.01MΩ	

CAPACITANCE

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
10.00nF	±(2.0% +5 dgts)	0.01nF	600V
100.0nF		0.1nF	
1.000μF	±(2.5% +5 dgts)	0.001μF	
10.00μF		0.01μF	
100.0μF		0.1μF	
9999μF		1μF	

CONTINUITY

OPEN CIRCUIT VOLTAGE	Audible Threshold	OVERLOAD PROTECTION
Approx.: <1.0V	Approx.: 40Ω	600V

DIODE

OPEN CIRCUIT VOLTAGE	OVERLOAD PROTECTION
Approx.: <3.0V DC	600V

TEMPERATURE

	OPEN CIRCUIT VOLTAGE	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
°F	-32° to 999°F	±(1.5% + 3.6°F)	0.1°F	600V
	1000° to 2462°F	±(1.5% + 3.0°F)	1°F	
°C	-200° to 999°C	±(1.5% + 2.0°C)	0.1°C	
	1000° to 1350°C	±(1.5% + 2.0°C)	1°C	

FREQUENCY

OPEN CIRCUIT VOLTAGE	ACCURACY	OVERLOAD PROTECTION
99.99Hz to 999.9kHz	±(0.05% +3 dgts)	600V

DUTY CYCLE

OPEN CIRCUIT VOLTAGE	ACCURACY	OVERLOAD PROTECTION
1.0% to 99.0%	±(0.1% +3 dgts +0.2% per kHz)	600V

ACTIVE POWER

OPEN CIRCUIT VOLTAGE	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
5000mW to 5.000kW	±(1.5% +5 dgts)	1 mW to 0.001kW	1000V
10.00kW	±(2.0% +8 dgts)	0.001kVA	

REACTIVE POWER

OPEN CIRCUIT VOLTAGE	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
5000mVAR to 5.000kVAR	±(1.5% +5 dgts)	1mVAR to 0.001kVAR	1000V
10.00kVAR	±(2.0% +8 dgts)	0.01kVAR	

POWER FACTOR

OPEN CIRCUIT VOLTAGE	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
0.005 to 1.00	±(1.5% +5 dgts)	0.01	1000V

Low Z

OPEN CIRCUIT VOLTAGE	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
	DC 45Hz to 500Hz 500Hz to 1Hz		
600.0V	±(2.0% +8 dgts) ±(4.0% +8 dgts)	0.1V	600V