



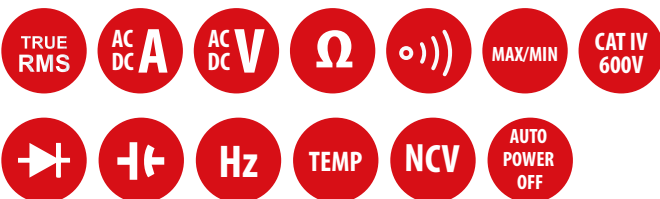
# INDUSTRIAL & SOLAR PV MULTIMETER

## Model 2550



### FEATURES

- Industrial & Solar PV Application
- 2000V DC and 1500V AC Measurement capability in PV mode
- 6000 counts digital backlit display with 60 segments analog bargraph
- High Frequency Rejection
- Smart hold Function
- Non Contact voltage Detection
- Visible Continuity Beeper
- Included Holster with Probe Holder, Tilt Stand and Magnetic Sticker
- Designated PV Test Leads included as standard
- CAT IV 600V/ CAT III 1000V Safety standards



**KOICO 2550 ELECTRICAL SPECIFICATIONS**

**DC Voltage**

Range	OL Reading	Resolution	Accuracy
600.0mV	660.0mV	0.1mV	±(0.5% + 5D)
6.000V	6.600V	0.001V	±(0.5% + 2D)
60.00V	66.00V	0.01V	
600.0V	660.0V	0.1V	
1000V	1100V	1V	

Input Impedance: 10MΩ  
Overload Protection: AC/DC 1000V

**AC Voltage**

Range	OL Reading	Resolution	Accuracy
600.0mV	660.0mV	0.1mV	±(1.0% + 5D)
6.000V	6.600V	0.001V	±(1.0% + 3D)
60.00V	66.00V	0.01V	
600.0V	660.0V	0.1V	
1000V	1100V	1V	

Input Impedance: 10MΩ // less than 100pF  
Frequency Response: 45 ~ 500Hz (sine wave)  
Overload Protection: AC/DC 1000V

**PV DC Voltage**

Range	OL Reading	Resolution	Accuracy
600.0V	660.0V	0.1V	±(2.0% + 5D)
2000V	1600V	1V	

Input Impedance: 10MΩ  
Overload Protection: AC/DC 1000V

**PV AC Voltage**

Range	OL Reading	Resolution	Accuracy
600.0V	660.0V	0.1V	±(2.0% + 5D)
1500V	2200V	1V	

Frequency Response: 45 ~ 500Hz (sine wave)  
Input Impedance: 10MΩ  
Overload Protection: AC/DC 1000V

**DC Current**

Range	OL Reading	Resolution	Accuracy
6.000A	6.600A	0.001A	±(1.0% + 3D)
10.00A	20.00A	0.01A	

Maximum measurement time:  
>5A for max. 3 minutes with at least 20 minutes real time.  
>10A for max. 30 second with at least 10 minutes real time.  
Overload Protection: Fuse AC/DC 11A

**AC Current**

Range	OL Reading	Resolution	Accuracy
6.000A	6.600A	0.001A	±(1.0% + 3D)
10.00A	20.00A	0.01A	

M>5A for max. 3 minutes with at least 20 minutes real time.  
>10A for max. 30 second with at least 10 minutes real time.  
Frequency Response: 45 ~ 500Hz (sine wave)  
Overload Protection: Fuse AC/DC 11A

**Diode**

Range	OL Reading	Resolution	Accuracy
1.5000V	1.550V	0.001V	±(0.9% + 2D)

Open Circuit voltage: Approx. 1.8V  
Overload Protection: AC/DC 1000V

**Continuity**

Range	OL Reading	Resolution	Accuracy
600.0Ω	660.0Ω	0.1Ω	±(0.9% + 5D)

Continuity: built-in buzzer sounds when measured resistance is less than 20Ω off when measured resistance is more than 200Ω, between 20 to 200 the buzzer may be sound or off either.

Continuity Indicator: 2.7K Tone Buzzer  
Response time of Buzzer: <500μsec.  
Overload Protection: AC/DC 1000V

**Resistance**

Range	OL Reading	Resolution	Accuracy
600.0Ω	660.0Ω	0.1Ω	±(2.0% + 5D)
6.000kΩ	6.600kΩ	0.001kΩ	±(2.0% + 2D)
60.00kΩ	66.00kΩ	0.001kΩ	±(2.0% + 2D)
600.0kΩ	660.0kΩ	0.1kΩ	±(2.0% + 2D)
6.000MΩ	6.600MΩ	0.001MΩ	±(2.0% + 2D)
40.00MΩ	44.00MΩ	0.01MΩ	±(2.0% + 5D)

There is a little rolling less than ±50 digits when measuring >10.00MΩ  
Overload Protection: AC/DC 1000V

**Capacitance**

Range	OL Reading	Resolution	Accuracy
1.000μF	1.100 μF	0.001 μF	±(1.9% + 5D)
10.00 μF	11.00 μF	0.01 μF	±(1.9% + 2D)
100.0 μF	110.0 μF	0.1 μF	
1.000mF	1.100mF	0.001mF	
10.00mF	11.00mF	0.01mF	

Overload Protection: AC/DC 1000V

**Frequency**

Range	OL Reading	Resolution	Accuracy
100.00Hz	100.00Hz	0.01Hz	±(0.1% + 2D)
1000.0Hz	1000.0Hz	0.1Hz	
10.000kHz	10.000kHz	0.001kHz	
100.00kHz	100.00kHz	0.01kHz	

**Minimum sensitivity (Voltage)**

Range	Sensitivity	Minimum sensitivity (Ampere) : >0.6A
1Hz-10KHz	>5V	
10KHz-50KHz	>20V	
50kHz-100kHz	unspecified	

**VoltSeek**

Voltage Range of High Sensitivity: 80 V ~ 1000V (At the top edge of the meter)  
Voltage Range of Low Sensitivity: 160 V ~ 1000V (At the top edge of the meter)

**Temperature**

Range	OL Reading	Resolution	Accuracy
-40.0°C -400°C	440.0°C	0.1°C	±(1% + 20D)
-40.0°F -752.0°F	824.0°F	0.1°F	±(1% + 36 D)

Accuracy is available with backlight off. The heat of backlight may deviate the measurement. The accuracy does not include the accuracy of the thermocouple probe.

Accuracy specification assumes surrounding temperature stable to ±1°C. For surrounding temperature changes of ± 2°C, rated accuracy applies after 2 hours.

## GENERAL SPECIFICATIONS

- Measurement Functions: DC Voltage, AC voltage, PV DC Voltage, PV AC Voltage, AC current, DC Current, Capacitance, Frequency, Temperature, Continuity and Diode Test, Smart Hold, Relative function, Min/Max Hold, Auto Power Off, Non Contact Voltage Detection, High Frequency Rejection.
- 6000 Counts 7 segment display with analog bargraph
- Sampling Time 3times/sec
- Complies with EN 61010-1, EN 61010-2-033 for CAT III 1000V,CAT IV 600V, EN 61326-1
- Pollution Degree 2
- Drop Protection 4 feet drop to hardwood on concrete floor
- Random Vibration per MIL-PRF-28800F Class 2
- Operating temperature: -10 °C to 50 °C (≤80% RH)
- Storage temperature: -20 °C to 60 °C, 0 to 80% RH
- Power source 2 x 1.5V battery (NEDA 15A or IEC LR6)
- Dimensions LxWxH (156mm x 74mm x 44 mm), with holster
- Weight 250g (including battery)

## INCLUDED ACCESSORIES

Test Leads

Designated PV test leads

Protective holster

ZnC battery (Installed),

Temperature Probe and manual

