



# CAT IV AC/DC PRO CLAMP METER

Model 3530

## FEATURES

- Measure 1000A AC/DC and 1000V AC/DC
- 10000 count digital display with large active backlight display with bargraph.
- 3000A AC measurement via Flexible current probe(optional)
- Advanced Power features, Phase Rotation, Total Harmonic Distortion and Harmonics 1 to 25th enable fully professional power measurement application with excellent performance.
- Automatically detect AC, DC and AC + DC of ampere and voltage function with AC+DC True RMS.
- Innovative Navigator key optimizing the function selection and feature operation with your thumb.
- Innovative torch lightening during cable clamping and automatically Non Contact voltage detection for better identification of working environment.
- Power and Power Factor measurement.
- Low pass filter function.
- Meets CAT IV 600 Standard.



## KOICO 3530 ELECTRICAL SPECIFICATION


Function	Range	Resolution	Accuracy
AC current via jaw	100.00A	0.01A	$\pm(1.5\%+5d)$ at 50Hz~60Hz
	1000.0A	0.1A	$\pm(2.0\%+5d)$ at 61Hz~400Hz
AC current via cFlex (optinal)	300.0A	0.1A	$\pm(1\%+5d)^*$
	3000A	1A	[50 - 500Hz]
DC current	100.00A,	0.01A	$\pm(1.5\%+0.2A)$
	1000.0A	0.1A	$\pm(1.5\%+5d)$
AC voltage	100.00V	0.01V	$\pm(1.0\%+5d)$
	1000.0V	0.1V	[50Hz~500Hz]
DC voltage	100.00V	0.01V	$\pm(0.7\%+2d)$
	1000V	0.1V	$\pm(0.7\%+2d)$
Active Power *** (watt)	9.999 KW	0.001 KW	$A_{error} \times V_{error} \times V_{error} \times V_{error}$
	99.99 KW	0.01 KW	reading +
AC W/DCW	999.9 KW	0.1 KW	$V_{error} \times A_{error} \times V_{error} \times V_{error}$
Power Factor	1.00		$\pm 5$ dgt
THD AC A/AC V	99.9%		$\pm(3\%+10d)$
Harmonics Order	H01 - H25		H01 - H12 $\pm(5\%+10d)$
			H13 - H25 $\pm(10\%+10d)$
Resistance	1000.0 $\Omega$ ,	0.1 $\Omega$	$\pm(1.0\%+5d)$
	10.000K $\Omega$ ,	0.001K $\Omega$	$\pm(1.0\%+3d)$
	100.00K $\Omega$	0.01K $\Omega$	$\pm(1.0\%+3d)$
Continuity			<30 $\Omega$ , 2KHz tone buzzer
Diode Test	0.40 - 0.80V		$\pm 0.1V$
Frequency	20.0Hz~10KHz	0.1Hz	$\pm(0.5\%+3d)$
Capacitance	4.000 $\mu F$	0.001 $\mu F$	$\pm(1.9\%+8d)$
	40.00 $\mu F$	0.01 $\mu F$	$\pm(1.9\%+8d)$
	400.0 $\mu F$ ,	0.1 $\mu F$	$\pm(1.9\%+8d)$
	4000 $\mu F$	1 $\mu F$	$\pm(1.9\%+8d)$
Temperature	-50°C-99.9°C	0.1°C	$\pm(1\%+2^\circ C)$
	100°C-399.9°C	0.1°C	$\pm(1\%+1^\circ C)$
	400°C-1000°C	1°C	$\pm(1\%+1^\circ C)$
	-58°F-211.9°F	0.1°F	$\pm(1\%+4^\circ F)$
	212.0°F-751.9°F	0.1°F	$\pm(1\%+2^\circ F)$
	752°F-1832°F	1°F	$\pm(1\%+2^\circ F)$

\*The accuracy of cFlex is not included

\*\*The measured value <1.000 KW add 10 digits to accuracy

\*\*\*Power measurement not applicable using cFlex18

## GENERAL SPECIFICATIONS

- Digital display: 10000 count display
- EN/IEC 61010-1, 61010-2-032, 61010-2-033
- Measurement category: CAT IV 600V, CAT III 1000V
- Sample Rate : 3 times/sec
- Power supply: 9V battery
- Low Power indication:  will appear on the LCD screen
- Auto Power off: In 15 minutes of no operation
- Jaw diameter maximum 42mm
- Dimensions (LxWxH) 257mm x 87.5mm x 50.5mm
- Weight: Approximately 470g (including batteries)

## ENVIRONMENTAL SPECIFICATIONS

- Operating temperature: 0 °C to 50 °C [10°C - 30°C (<80% RH), 30°C - 40°C (<75% RH), 40°C - 50°C (<45% RH)]
- Storage temperature: -10 °C to 50 °C 0 to 80% RH

## INCLUDED ACCESSORIES

Model No. AC-91(Test Lead set)  
 Model No. AR-75(Carrying case)  
 Model No. AR-16(Temperature probe)  
 Battery  
 User Manual



## Optional Accessory

Flexible Current Probe cFlex18

