

NEW

Model 3530

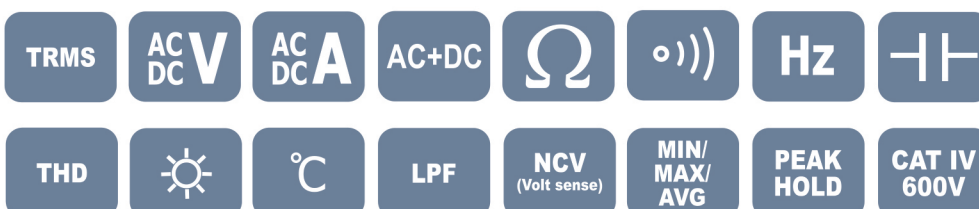
1000A AC/DC PRO CLAMP METER



FEATURES

- 10,000 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 TRMS.
- 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 600V Standard.

CE



KOICO 3530 ELECTRICAL SPECIFICATIONS

Parameter	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 (optional)	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	$\pm(1.0\%+5d)$
	1000V	0.1V	[50Hz~500Hz]
DC voltage	100.00V	0.01V	$\pm(0.7\%+2d)$
	1000V	0.1V	$\pm(0.7\%+2d)$
Active power*** (watt)	9.999KW	0.001KW	$A_v \text{ error} \times V_v \text{ reading} +$
AC W/DC W	99.99KW	0.01KW	$V_v \text{ error} \times A_v \text{ reading}^{**}$
	999.9KW	0.1KW	
Power Factor	1.00		$\pm 5 \text{ dgt}$
THD AC A/AC V	99.9%		$\pm (3.0\%+10 \text{ dgt})$
Harmonics Order	H01-H25		H01-H12($\pm 5.0\%+10 \text{ dgt}$) H13-H25($\pm 10.0\%+10 \text{ dgt}$)
Resistance	1000.0Ω	0.1Ω	$\pm(1.0\%+5d)$
	10.000KΩ, 100.00KΩ	0.001KΩ 0.01KΩ	$\pm(1.0\%+3d)$ $\pm(1.0\%+3d)$
Continuity			<30Ω, 2KHz tone buzzer
Diode Test	0.40 - 0.80V		$\pm 0.1V$
Frequency	20.0Hz~10KHz	0.1Hz	$\pm(0.5\%+3d)$
Capacitance	4.000μF	0.001μF	$\pm(1.9\%+8d)$
	40.00μF	0.01μF	$\pm(1.9\%+8d)$
	400.0μF	0.1μF	$\pm(1.9\%+8d)$
	4000μF	1μF	$\pm(1.9\%+8d)$
Temperature	-50°C - 99.9°C	0.1°C	$\pm(1\%+2^\circ\text{C})$
	100°C - 399.9°C	0.1°C	$\pm(1\%+1^\circ\text{C})$
	400°C - 1000°C	1°C	$\pm(1\%+1^\circ\text{C})$
	-58°F - 211.9°F	0.1°F	$\pm(1\%+4^\circ\text{F})$
	212.0°F - 751.9°F	0.1°F	$\pm(1\%+2^\circ\text{F})$
	752°F - 1832°F	1°F	$\pm(1\%+2^\circ\text{F})$

* The accuracy of cFlex is not included

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

*** Power measurement not applicable using cFlex-18

General Specifications

- Digital display: 10,000 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: Empty battery symbol will appear on the LCD screen
- Auto Power off: In 15 minutes of no operation
- Jaw diameter maximum 42mm
- Dimensions (length x width x height)
257 x 87.5 x 50.5 mm
- Weight: Approximately 470g (including batteries)

Environmental Specifications

- Operating temperature: 0 °C to 50 °C
[10°C - 30°C ($\leq 80\% \text{ RH}$), 30°C - 40°C ($\leq 75\% \text{ RH}$),
40°C - 50°C ($\leq 45\% \text{ RH}$)]
- Storage temperature: -10 °C to 50 °C, 0 to 80% RH

Supplied Accessories

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

Optional Accessory

- Flexible current probe cFlex-18



(Optional)