

# SENSORS

## Load current Clamp sensors

### KEW 8129

MAX 3000A  $\times 150$

8129-01 (for 1ch)  
8129-02 (for 2ch)  
8129-03 (for 3ch)

**FILE CLAMP SENSOR  
CAN MEASURE UP TO  
AC3000A HIGH CURRENT**



### KEW 8130



CAT I 300V CAT II 600V MAX 1000A  
 $\times 110$



	8129-01 (for 1ch)	8129-02 (for 2ch)	8129-03 (for 3ch)	8130
Conductor size	max. $\phi 150$ mm			max. $\phi 110$ mm
Rated current	300/1000/3000A			AC1000A
Output voltage	300A Range : AC500mV/AC300A (1.67mV/A) 1000A Range : AC500mV/AC1000A (0.5mV/A) 3000A Range : AC500mV/AC3000A (0.167mV/A)			AC500mV/1000A (AC0.5mV/A)
Accuracy	$\times 1.0\%$ /rdg (45 - 65Hz)			$\times 0.8\%$ /rdg $\times 0.2$ mV (45Hz - 65Hz) $\times 1.5\%$ /rdg $\times 0.4$ mV (40Hz - 1kHz)
Phase shift	within $\times 1\%$			within $\times 2.0\%$ (45 - 65Hz)
Cable length Output connector	Sensor part : approx. 2m Output cable : approx. 1m MINI DIN6PIN			Approx. 3m MINI DIN6pin
Operating temperature & humidity ranges	0 - 50°C, relative humidity 85% or less (no condensation)			-10 - 50°C, relative humidity 85% or less (no condensation)
Output impedance	100 $\Omega$ or less			100 $\Omega$ or less
Applicable standards	IEC61010-1, IEC61010-2-032 CAT III 600V Pollution degree 2, IEC61326			IEC61010-1, IEC61010-2-030, IEC61010-2-032 CAT IV 300V / CAT III 600V Pollution degree 2 IEC61326
Dimensions	111(L) $\times$ 61(W) $\times$ 43(D) mm (except for protrusions)			AMP box 65(L) $\times$ 24(W) $\times$ 22(D) mm (except for protrusions)
Weight	Approx. 410g	Approx. 680g	Approx. 950g	Approx. 180g
Accessories	Instruction manual 7199 (Output cable) $\times$ 1 9137 (Carrying case)	Instruction manual 7199 (Output cable) $\times$ 2 9137 (Carrying case)	Instruction manual 7199 (Output cable) $\times$ 3 9137 (Carrying case)	Instruction manual Cable marker 9095 (Carrying case)
Applicable models	5010, 5020, 6305, 6315			

### MODEL 8128

### MODEL 8127

### MODEL 8126

### MODEL 8125

### MODEL 8124

MAX 50A  $\times 24$

MAX 100A  $\times 24$

MAX 200A  $\times 40$

MAX 500A  $\times 40$

MAX 1000A  $\times 68$



	8128	8127	8126	8125	8124
Conductor size	$\phi 24$	$\phi 24$	$\phi 40$	$\phi 40$	$\phi 68$
Rated current	AC 5A (Max. 50A)	AC 100A	AC 200A	AC 500A	AC 1000A
Output voltage	AC 50mV/5A [Max. 500mV/50A] (AC 10mV/A)	AC 500mV/100A (AC 5mV/A)	AC 500mV/200A (AC 2.5mV/A)	AC 500mV/500A (AC 1mV/A)	AC 500mV/1000A (AC 0.5mV/A)
Accuracy	$\times 0.5\%$ /rdg $\times 0.1$ mV (50/60Hz) $\times 1.0\%$ /rdg $\times 0.2$ mV (40Hz - 1kHz)				$\times 0.5\%$ /rdg $\times 0.2$ mV (50/60Hz) $\times 1.5\%$ /rdg $\times 0.4$ mV (40Hz - 1kHz)
Phase shift	within $\times 2.0\%$ (45 - 65Hz)		within $\times 1.0\%$ (45 - 65Hz)		
Cable length : Output connector	Approx. 3m: MINI DIN 6pin				
Operating temperature ranges	-0 - 50°C, less than 85% RH ( without condensation)				
Output impedance	Approx. 20 $\Omega$	Approx. 10 $\Omega$	Approx. 5 $\Omega$	Approx. 2 $\Omega$	Approx. 1 $\Omega$
Applicable standards	IEC61010-1, IEC61010-2-032 CAT III 300V Pollution degree 2 IEC61326		IEC61010-1, IEC61010-2-032 CAT III 600V Pollution degree 2 IEC61326		
Dimensions	100(L) $\times$ 60(W) $\times$ 26(D)mm		128(L) $\times$ 81(W) $\times$ 36(D)mm		186(L) $\times$ 129(W) $\times$ 53(D)mm
Weight	Approx. 160g		Approx. 260g		Approx. 510g
Accessories	9095 (Carrying case) Instruction manual Cable marker		9094 (Carrying case) Instruction manual cable marker		
Optional	7146 (Banana $\phi 4$ adjuster plug) 7185 (Extension cable)				
Applicable models	5010, 5020, 6305, 6315				

# SENSORS

## Leakage & Load current Clamp sensors

KEW 8146

MAX 30A  $\square$ 24



CE

KEW 8147

MAX 70A  $\square$ 40



CE

KEW 8148

MAX 100A  $\square$ 68



CE

	8146	8147	8148
Conductor size	$\phi$ 24	$\phi$ 40	$\phi$ 68
Rated current	AC30A	AC70A	AC100A
Output voltage	AC1500mV/30A (AC50mV/A)	AC3500mV/70A (AC50mV/A)	AC5000mV/100A (AC50mV/A)
Accuracy	0 - 15A $\square$ 1.0%/rdg $\square$ 0.1mV (50/60Hz) $\square$ 2.0%/rdg $\square$ 0.2mV (40Hz - 1kHz) 15 - 30A $\square$ 5.0%/rdg (50/60Hz) $\square$ 10.0%/rdg (45Hz - 1kHz)	0 - 40A $\square$ 1.0%/rdg $\square$ 0.1mV (50/60Hz) $\square$ 2.0%/rdg $\square$ 0.2mV (40Hz - 1kHz) 40 - 70A $\square$ 5.0%/rdg (50/60Hz) $\square$ 10.0%/rdg (45Hz - 1kHz)	0 - 80A $\square$ 1.0%/rdg $\square$ 0.1mV (50/60Hz) $\square$ 2.0%/rdg $\square$ 0.2mV (40Hz - 1kHz) 80 - 100A $\square$ 5.0%/rdg (50/60Hz) $\square$ 10.0%/rdg (45Hz - 1kHz)
Cable length : Output connector	Approx. 2m : MINI DIN6pin		
Operating temperature ranges	-0 - 50°C, less than 85% RH (without condensation)		
Output impedance	Approx. 90 $\Omega$	Approx. 100 $\Omega$	Approx. 60 $\Omega$
Applicable standards	IEC61010-1, IEC61010-2-032 CAT III 300V Pollution degree 2, IEC61326		
Dimensions	100(L) $\square$ 60(W) $\square$ 26(D)mm	128(L) $\square$ 81(W) $\square$ 36(D)mm	186(L) $\square$ 129(W) $\square$ 53(D)mm
Weight	Approx. 150g	Approx. 240g	Approx. 510g
Accessories	9095(Carrying case) Instruction manual Cable marker		9094(Carrying case) Instruction manual Cable marker
Optional	7146(Banana $\phi$ 4 adjuster plug) 7185(Extension cable)		
Applicable models	5010, 5020, 6315 $\square$		

$\square$ Cannot be used for power measurements.

## Load current Clamp sensors

KEW 8121

MAX 100A  $\square$ 24



CE

KEW 8122

MAX 500A  $\square$ 40



CE

KEW 8123

MAX 1000A  $\square$ 55



CE

	8121	8122	8123
Conductor size	$\phi$ 24	$\phi$ 40	$\phi$ 55
Rated current	AC100A	AC500A	AC1000A
Output voltage	AC500mV/100A (AC5mV/A)	AC500mV/500A (AC1mV/A)	AC500mV/1000A (AC0.5mV/A)
Accuracy	$\square$ 2.0%/rdg $\square$ 0.3mV (50/60Hz) $\square$ 3.0%/rdg $\square$ 0.5mV (40Hz - 1kHz)		
Cable length : Output connector	Approx. 2m : MINI DIN6pin		
Operating temperature ranges	-0 - 40°C, less than 85% RH (without condensation)		
Output impedance	Approx. 9.5 $\Omega$	Approx. 1.9 $\Omega$	Approx. 1.5 $\Omega$
Applicable standards	IEC61010-1, IEC61010-2-032 CAT III 300V Pollution degree 2, IEC61326		
Dimensions	97(L) $\square$ 59(W) $\square$ 26(D)mm	128(L) $\square$ 81(W) $\square$ 36(D)mm	170(L) $\square$ 105(W) $\square$ 48(D)mm
Weight	Approx. 150g	Approx. 260g	Approx. 360g
Accessories	9095(Carrying case) Instruction manual Cable marker		9094(Carrying case) Instruction manual Cable marker
Optional	7146(Banana $\phi$ 4 adjuster plug) 7185(Extension cable)		
Applicable models	5010, 5020		

# SENSORS

## Leakage current Clamp sensors

MODEL 8141

Max 1000mA  $\times 24$



CE

MODEL 8142

Max 1000mA  $\times 40$



CE

MODEL 8143

Max 1000mA  $\times 68$



CE

	8141	8142	8143
Conductor size	$\phi 24$	$\phi 40$	$\phi 68$
Rated current	AC 1000mA	AC 1000mA	AC 1000mA
Output voltage	AC 100mV/1000mA(AC 100mV/A)		
Accuracy	$\pm 1.0\%/rdg \pm 0.1mV(50/60Hz)$ $\pm 2.0\%/rdg \pm 0.1mV(40Hz - 1kHz)$		
Cable length : Output connector	Approx. 2m : MINI DIN 6pin		
Operating temperature ranges	-0 - 50°C, less than 85% RH (without condensation)		
Output impedance	Approx. 180 $\Omega$	Approx. 200 $\Omega$	Approx. 120 $\Omega$
Applicable standards	IEC 61010-1, IEC 61010-2-032 CAT III 300V pollution degree 2, IEC 61326		
Dimensions	100(L) $\times$ 60(W) $\times$ 26(D) mm	128(L) $\times$ 81(W) $\times$ 36(D) mm	186(L) $\times$ 129(W) $\times$ 53(D) mm
Weight	Approx. 150g	Approx. 240g	Approx. 490g
Accessories	9095(Carrying case) Instruction manual		9094(Carrying case) Instruction manual
Optional	7146(Banana $\phi 4$ adpater plug) 7185(Extension cable)		
Applicable models	5010, 5020, 6315 $\times$		

$\times$ Cannot be used for power measurements.

## AC/DC clamp sensor

KEW 8115

$\times 12$  AC Max 130A DC Max 180A DC AC A AMPER OFF



CE

	8115	
Measuring range	AC 0.1 - 130Arms	DC 0 - $\times 180A$
Output voltage	AC 10mV/A	DC 10mV/A
Accuracy	$\pm 1.2\%/rdg \pm 0.4mV(50/60Hz)$ $\pm 2.5\%/rdg \pm 0.4mV(40Hz - 1kHz)$	$\pm 1.2\%/rdg \pm 0.4mV(\times)$
Low battery warning	2.2V $\times$ 0.2V or less - Red LED flash (1.9V $\times$ 0.2V - Automatically power off)	
Conductor size	$\phi 12mm$ max.	
Operating temperature & humidity range	-10 to 55 $\times$ C, relative humidity 85% or less (no condensation)	
Output impedance	Approx. 10 $\Omega$ or less	
Applicable standards	IEC 61010-1 CAT III 300V Pollution degree 2, IEC 61010-2-032, IEC 61326-1	
Power source	DC3V (size AAA alkaline battery LRD3 $\times$ 2pcs) $\times$ Continuous use: approx. 40 hours(Auto power off: approx. 20 minutes)	
Cord length	Approx. 1,200mm	
Output connector	$\phi 4mm$ banana plug	
Dimensions	127(L) $\times$ 42(W) $\times$ 22(D) mm	
Weight	Approx. 140g	
Accessories	Soft case, LRD3 $\times$ 2, Instruction manual	
Applicable model	1009,1011,1012,1051,1052,1061,1062	