

Leakage Clamp-on Testers



CL345



- AC Leak
- ∅ 40
- AC/40mA~400A
- RMS



CL360



- AC Leak
- ∅ 68
- AC/200mA~1000A

CL345

True RMS display
Auto power-off
Manual range switching
Approved for conformity to safety standards EN61010-1,
EN61010-2-032 (CAT. III 300 V)

Specifications

At 23 ±5 75%RH or less
Accuracy: ± (% rdg + dgt) = ± (% readout + value of least significant digit)

Parameter	Reference	Accuracy	
		WIDE(20Hz ~)	50/60Hz
AC current	40mA/400mA	2.5+10 (20 ~ 1kHz)	1.0+5 (50/60Hz)
	400A(0 ~ 300A)	2.5+10 (40 ~ 1kHz)	1.0+5 (50/60Hz)
	400A(300 ~ 400A)	5.0 (40 ~ 1kHz)	2.0 (50/60Hz)

General Specifications

Parameter	Specification
Method of detection	True RMS
Display	LCD(Digital display:4200 counts)
Response time	Approx. 2 seconds
Range switching	Manual-range
Data hold	On all range
Peak hold	On all range
Ambient temperature and humidity	0-40 , 85% RH or less (no condensation)
Temperature coefficient	-
Influence of external magnetic field	10mA or less in proximity to a 15mm-dia conductor carrying 100A
Influence of conductor position	40/400mA range: Within 5dgt at every part inside the jaw 400A range: Within ±0.5%rdg ±5dgt at every part inside the jaw section
Influence of residual current	12mA or less in proximity to a 10mm-dia conductor carrying 100A
Safety standard	Conforms EN61010-1, EN61010-2-032
Circuit voltage	300Vrms or less
Withstanding voltage	3.7kV AC for one minute
Power supply	R0-3(UM-4) × 2 or LR03 × 2
Battery life	Approx. 24 hours (continuous)
Consumed current	Approx. 21mA
Auto power-off	Approx. 10 minutes
Diameter of measurable conductor	40mm at maximum
Dimensions	Approx. 81(W)×185(H)×32(D)mm
Weight	Approx. 270g
Accessories	User's manual(IM CL340), batteries, carrying case(93030)

CL360

Approved for conformity to safety standards EN 61010-1,
EN 61010-2-032 (CAT III 300 V)

Specifications

At 23 ±5 75%RH or less
Accuracy: ± (% rdg + dgt) = ± (% readout + value of least significant digit)

Parameter	Reference	Accuracy		
		WIDE(40 ~ 1kHz)	50/60Hz	
AC current	200mA/2A/20A	1.0+2 (50/60Hz)	1.5+2	
		3.0+2 (40 ~ 1kHz)		
	200A	1.5+2 (50/60Hz)	2.0+2	
		3.5+2 (40 ~ 1kHz)		
1000A(0 ~ 500A)	1.5+2 (50/60Hz)	2.0+2		
	3.5+2 (40 ~ 1kHz)			
1000A(501 ~ 1000A)	5.0 (50/60Hz)	5.5		
	10.0 (40 ~ 1kHz)			
	AC output	200mA/2A/20A(0 ~ 200mV)	2.0	2.0
		200A(0 ~ 200mV)	2.5	2.5
1000A/(0 ~ 50mV/0 ~ 500A)		3.0	3.0	
1000A/(50 ~ 100mV/501 ~ 1000A)	5.0	5.0		
	DC output	200mA/2A/20A(0 ~ 200mV)	3.0	3.5
		200A(0 ~ 200mV)	3.5	4.0
1000A/(0 ~ 50mV/0 ~ 500A)		5.0	5.5	
1000A/(50 ~ 100mV/501 ~ 1000A)	7.0	7.5		

General Specifications

Parameter	Specification
Method of detection	Mean value
Display	LCD(Digital display:1999 counts)
Response time	Approx. 1 second
Range switching	Manual-range
Data hold	On all range
Peak hold	On all range
Ambient temperature and humidity	-10-50 , 80% RH or less (no condensation)
Temperature coefficient	-
Influence of external magnetic field	15mA or less in proximity to a 10mm-dia conductor carrying 100A
Influence of conductor position	2% or less
Influence of residual current	10mA or less in proximity to a 10mm-dia conductor carrying 100A
Safety standard	Conforms EN61010-1, EN61010-2-032
Circuit voltage	300Vrms or less
Withstanding voltage	3.7kV AC for one minute
Power supply	6F22(006P)9V × 1 or 6LR61 × 1
Battery life	Approx. 60 hours (continuous)
Consumed current	Approx. 5mA
Diameter of measurable conductor	68mm at maximum
Dimensions	Approx. 129(W)×248(H)×55(D)mm
Weight	Approx. 570g
Accessories	User's manual(IM CL360), batteries, carrying case(93031)