

Clamp-on Testers

CL120



AC A

∅24

AC/20~200A

CL150



AC A

∅54

AC/400~2000A

AC V/DC V/Ω

CL120

- Light weight & compact design
- Mean value display
- Data hold function
- Approved for conformity to safety standards EN61010-1, EN61010-2-032 (CAT. III 300 V)

Specifications

At 23°C±5°C, 75%RH or less
Accuracy: ±(% of reading + digits)

Parameter	Range	Accuracy
AC current	20A	2.0+7 (50~1kHz)
	200A	2.0+5 (50/60Hz) 3.0+10 (40~1kHz)

General Specifications

Parameter	Specification
Method of detection	Mean value
Display	LCD(Digital display:1999 counts)
Response time	Approx. 2 seconds
Range switching	Manual-range
Data hold	On all range
Operating temperature and humidity	0-40°C, 85% RH or less (no condensation)
Temperature coefficient	-
Effect of external magnetic field	0.8A or less at 400A/m
Effect of conductor position	±2% or less
Safety standard	Conforms EN 61010-1, EN61010-2-032
Circuit voltage	300Vrms or less
Withstanding voltage	4240V AC for 5 sec
Power supply	LR-44×2(3V) or SR-44×2
Battery life	Approx. 100 hours (continuous)
Consumed current	Approx. 1mA
Auto power-off	Approx. 10 minutes
Diameter of measurable conductor	24mm diameter max.
Dimensions	Approx. 59(W)×148(H)×26(D)mm
Weight	Approx. 100g
Accessories	User's manual, batteries, carrying case(93033)

CL150

- Mean value display
- DC output function
- Data hold function
- Sleep function
- Approved for conformity to safety standards EN61010-1, EN61010-2-031, EN61010-2-032 (CAT. III 600 V, CAT. II 1000 V)

Specifications

At 23°C±5°C, 75%RH or less
Accuracy: ±(% of reading + digits)

Parameter	Range	Accuracy
AC current	400A	1.0+3 (50/60Hz) 2.0+3 (40~1kHz)
	2000A(0~1500A)	1.0+3 (50/60Hz) 3.0+3 (40~1kHz)
	2000A(1500~2000A)	3.0(50/60Hz)
AC voltage	40/400/750V	1.0+2 (50/60Hz) 1.5+3 (40~1kHz)
	40/400/1000V	1.0+2
Resistance	400/4k/40k/400kΩ	1.5+2, Beeps at below 50±35Ω(continuity check)
DC output	400A(0~400mV)	±1.5% rdg ±0.5mV (50/60Hz)
		±2.5% rdg ±0.5mV (40~1kHz)
	2000A(0~150mV/0~1500A)	±1.5% rdg ±0.5mV (50/60Hz)
2000A(150~200mV/1500~2000A)	±3.5% rdg ±0.5mV (40~1kHz)	
		±3.5% rdg (50/60Hz)

General Specifications

Parameter	Specification
Method of detection	Mean value
Display	LCD(Digital display:4000 counts)
Response time	Approx. 2 seconds
Range switching	Manual-range(on AC current range)/ Auto-range(on AC voltage range, resistance range)
Data hold	On all range
Peak hold	On AC current range
Operating temperature and humidity	0-40°C, 85% RH or less (no condensation)
Temperature coefficient	-
Effect of external magnetic field	1A or less at 400A/m
Effect of conductor position	±(2.0% rdg + 3dgt) or less
Safety standard	Conforms EN61010-1, EN61010-2-031, EN61010-2-032
Circuit voltage	1000Vrms or less
Withstanding voltage	6300V AC for 5 sec
Power supply	R6P(SUM-3)×2 or LR6×2
Battery life	Approx. 150 hours (continuous)
Consumed current	Approx. 5mA
Sleep function	Automatically powered down in about 10 minutes after the last switch operation
Diameter of measurable conductor	54.5mm at maximum
Dimensions	Approx. 105(W)×247(H)×49(D)mm
Weight	Approx. 470g
Accessories	User's manual, batteries, carrying case (93034), Output plug (98012), Test Lead (98072)