

Leakage Clamp-on Testers

CL360



AC Leakage

∅ 68

AC/200mA~1000A

CL360

- Approved for conformity to safety standards EN 61010-1, EN 61010-2-032 (CAT. III 300 V, CAT. II 600 V)

Specifications

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

Parameter	Range	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

*Measurement of 501 to 1000A can be performed within 10 minutes.

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
Operating temperature and humidity	-10~50°C, 80% RH or less (no condensation)
Temperature coefficient	—
Effect of external magnetic field	15mA or less in proximity to a 10mm-dia conductor carrying 100A
Effect of conductor position	2% or less
Effect 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	600Vrms or less
Withstanding voltage	4240V AC for 5 sec
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, batteries, carrying case(93031)

Clamp-on Process Meter

CL420



DC20/100mA

∅ 6

0.2% Accuracy,
0.01mA Resolution

Analog Output
Available

CL420

- Measure 4 to 20mA DC signals without breaking the loop
- Dual Display
- LED Torch Light, Backlight Display

Specifications

Parameter	Specification	
Diameter of measurable conductor	6mm diameter max.	
DC Current	Range and resolution [Range]	Accuracy ^{*1}
	20 mA: 0.00 to ±21.49mA 100 mA: ±21.0 to ±126.0mA	±(0.2%rdg+5dgt) ^{*2} ±(1.0%rdg+5dgt)
DC Voltage OUTPUT [10mV/mA]	20 mA: 0.0 to ±214.9mV 100 mA: ±21.0 to ±1260mV	(DCA Accuracy)+(±0.5mV) (DCA Accuracy)+(±3mV)
Display	4-digit LCD Numeric display	
Response time	Approx. 1.5 seconds (2.5 seconds when across the range)	
Range switching	Auto range	
Operating temperature and humidity	-10°C to +50°C 80% RH or less (no condensation)	
Safety Standards	EN61010-1, EN61010-2-030, EN61010-2-032	
Withstanding voltage	2.21kV AC for 5 seconds (between the core and the case)	
Power supply	Four AA-size alkaline batteries (1.5V LR6)	
Battery life	Approx. 60hrs (continuous) backlight off and LED light off	
Other functions	Data hold, Zero adjust function, Auto power off, LED Torch light, Back light display, Illuminant panel	
External dimensions and weight	61 (W) × 111 (H) × 40 (D) mm Approx. 290g (including batteries)	
Standard accessories	User's Manual, Batteries, Soft case (93045)	

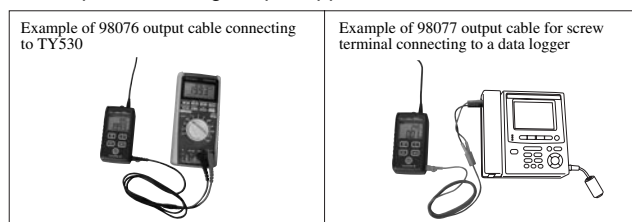
*1 At 23°C ±5°C, 45% to 75%RH

Measurement accuracy: ±(% of reading + digits)

Terms of accuracy: Open and close the clamp sensor after power on and perform zero adjustment.

*2 The 20mA range accuracy assurance is the average of 5 times measuring.

Examples of Analog Output Application



Product Model Code

Name	Model
Clamp-on Process Meter	CL420

Standard Accessories (supplied)

Name	Model
Soft case (for CL420)	93045

Optional Accessories (sold separately)

Name	Model
Output cable	98076
Output cable (for screw terminal)	98077