

SDQxxX Series Current Clamp

Description



The primary current of the SDQxxX series current clamp main circuit includes 1A~ 1250A, and the rated secondary output current is 0A ~ 5A (0~ 1V). This series of products can meet the technical requirements of grade 0.5, grade 1 and other different precision. GB/T20840.1.2.

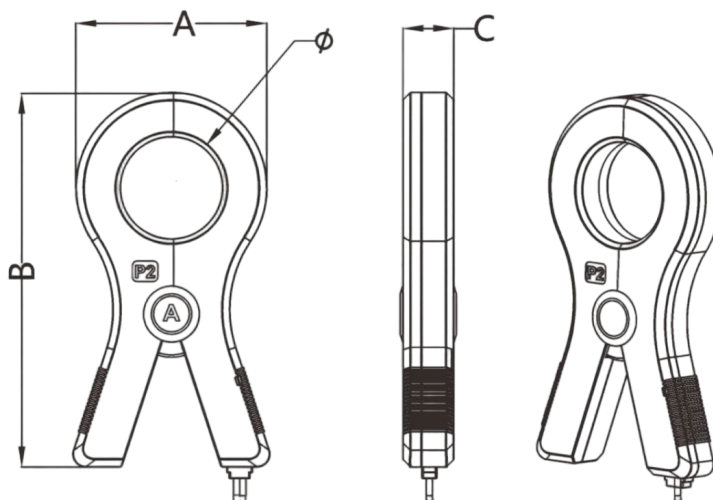
It is widely used Power monitoring, energy consumption management, intelligent power system, electromagnetic relay protection, microcomputer protection, motor protection, rural power grid transformation, substation transformation, environmental protection detection, etc.

Specification:

Rated Current	1-1250A (optional)
Rated Output	0A ~ 5A (0~ 1V)
Accuracy	0.2%, 0.5%, 1.0%
Window Size	16mm/25mm/40mm/50mm (optional)
Altitude	1000M
Core Material	Microcrystal / Silicon Steel
Case Material	ABS+PC
Secondary Wire	2*0.3mm ² 1.5m sheathed wire (length optional) @ output (mA) 2*1.5mm ² 1.5m sheathed wire (length optional) @ output (A)
Isolation Resistance	DC500V/100MQ
Dielectric Strength	4kV/60s/1mA
Operating Temperature	-25°C ~ +75°C

	Ratio Error				Phase Displacement			
	at current (% of rated)				at current (% of rated)			
	5	20	100	120	5	20	100	120
0.5Class	1.5	0.75	0.5	0.5	90	45	30	30
1.0Class	3	1.5	1	1	180	90	60	60
3.0Class			3					

Accuracy Data		
Model	Technical Specification	Class
SDQ16X	50A/50mA/5Ω	0.5, ±120'@100% of rated
	100A/100mA/5Ω	0.5, ±120'@100% of rated
	100A/50mA/5Ω	0.5, ±60'@100% of rated
SDQ25X	100A/100mA/5Ω	0.5, ±90'@100% of rated
	100A/50mA/5Ω	0.5, ±60'@100% of rated
	250A/100mA/5Ω	0.5
	250A/50mA/10Ω	0.5
SDQ40X	100A/100mA/5Ω	0.5, ±60'@100% of rated
	100A/50mA/10Ω	0.5, ±60'@100% of rated
	200A/50mA/10Ω	0.5
	200-400A/100mA/10Ω	0.5
SDQ50X	100-300A/5A/1VA	3.0
	400-500A/5A/2.5VA	0.5, ±60'@100% of rated
	600A/5A/2.5VA	0.5
	800-1250A/5A/5VA	0.5

Dimensions:
Unit: mm


Model	Rated Input	Dimensions			
		Φ	A	B	C
SDQ16X	1-100A	16	44	86	13.5
SDQ25X	1-250A	25	54	98	13.5
SDQ40X	1-600A	40	75	147	20
SDQ50X	1-1250A	50	103	191	28