

DP Series retro-fit (split-core) current transformer has been specially designed to facilitate their installation in new or already existing net works. They may be installed without opening any cable or bus-bar circuit. An internal precision resistor across the secondary winding of the CT provides a low safe voltage output. It can save time and the installation costs.

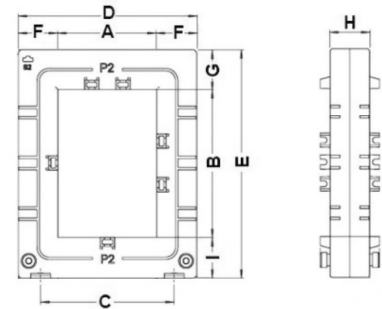
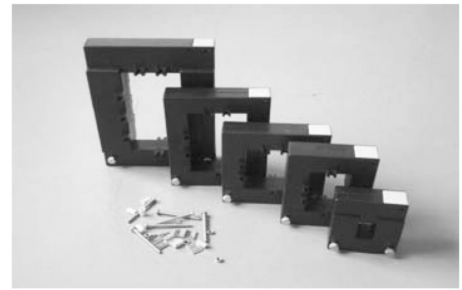
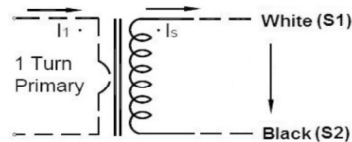
◆ Features

- Double-screw fastening, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

◆ Applications

- Current measurement, monitoring and protection for electrical wiring and equipment.
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation control system.
- Current, power and energy monitoring device.
- Relay protection device.

◆ Circuit connection diagram



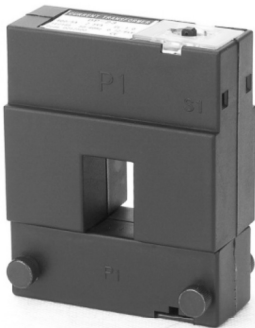
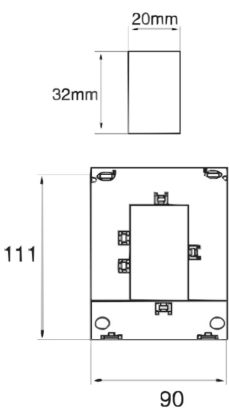
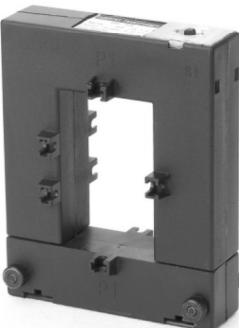
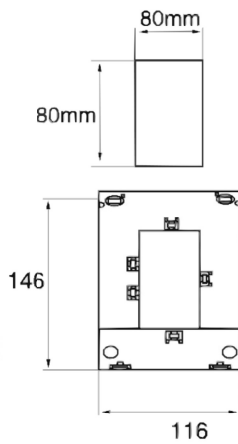
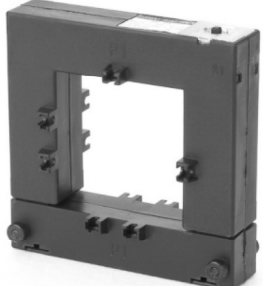
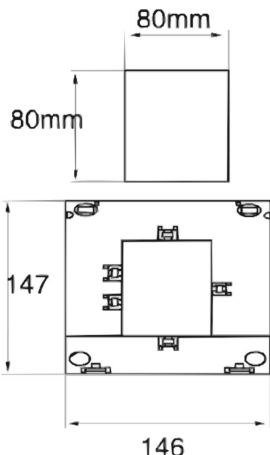
◆ Technique Index

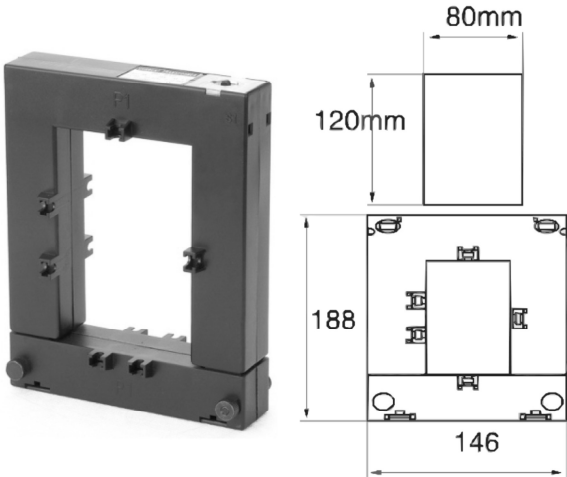
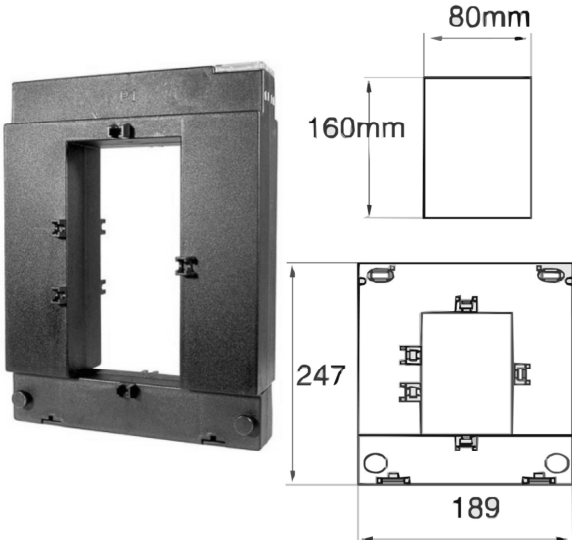
Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-5000A
Measuring range	5%In-130%In
Rated Output	0-5A
Ratio	$\leq \pm 0.5\%$
Phase angle	$\leq \pm 30\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Screw
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	Terminal

◆ Type Selection (Output: 1A/5A)

Mfg P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm/inch)								
				A	B	C	D	E	F	G	H	I
DP-23	100-400A	1A/5A	0.5、1.0、3.0	20	30	51	89	105	34	47	40	32
DP-58	250-1000A	1A/5A	0.5、1.0、3.0	50	80	78	114	145	32	32	32	33
DP-88	250-1000A	1A/5A	0.5、1.0、3.0	80	80	108	144	145	32	32	32	33
DP-812	500-1500A	1A/5A	0.5、1.0、3.0	80	120	108	144	185	32	32	32	33
DP-816	800-5000A	1A/5A	0.5、1.0、3.0	80	160	120	184	245	52	52	50	38

DP-23 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy	
			0.5	1.0
 	DP-23	100/5A	...	1.5
	DP-23	150/5A	...	2.5
	DP-23	200/5A	...	2.5
	DP-23	250/5A	...	3.75
	DP-23	300/5A	2.5	5
	DP-23	400/5A	2.5	5
	DP-23	100/1A	...	2.5
	DP-23	150/1A	...	2.5
	DP-23	200/1A	...	2.5
	DP-23	250/1A	2.5	5
	DP-23	300/1A	2.5	5
	DP-23	400/1A	2.5	5
DP-58 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy	
			0.5	1.0
 	DP-58	250/5A	...	2.5
	DP-58	300/5A	...	2.5
	DP-58	400/5A	2.5	2.5
	DP-58	500/5A	2.5	5
	DP-58	600/5A	2.5	5
	DP-58	800/5A	3.75	5
	DP-58	1000/5A	5	10
	DP-58	400/1A	5	5
	DP-58	500/1A	5	5
	DP-58	600/1A	5	5
	DP-58	800/1A	5	5
	DP-58	1000/1A	5	10
DP-88 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy	
			0.5	1.0
 	DP-88	250/5A	...	1.5
	DP-88	300/5A	...	1.5
	DP-88	400/5A	...	2.5
	DP-88	500/5A	1.5	2.5
	DP-88	600/5A	1.5	2.5
	DP-88	800/5A	3.75	5
	DP-88	1000/5A	7.5	7.5
	DP-88	300/1A	...	2.5
	DP-88	400/1A	...	2.5
	DP-88	600/1A	2.5	3.75
	DP-88	800/1A	5	7.5
	DP-88	1000/1A	7.5	10

DP-812 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy	
			0.5	1.0
	DP-812	500/5A	...	2.5
	DP-812	600/5A	...	2.5
	DP-812	750/5A	2.5	5
	DP-812	800/5A	2.5	5
	DP-812	1000/5A	5	10
	DP-812	1200/5A	5	10
	DP-812	1250/5A	5	10
	DP-812	1500/5A	5	10
	DP-812	2000/5A	5	10
	DP-812	800/1A	5	10
	DP-812	1000/1A	5	10
	DP-812	1200/1A	5	10
	DP-812	1500/1A	5	10
	DP-812	1600/1A	5	10
DP-816 & Dimensions(mm)	Model	Rated Current ratio(A)	Burden(VA)Accuracy	
			0.5	1.0
	DP-816	1000/5A	5	10
	DP-816	1500/5A	7.5	10
	DP-816	2000/5A	10	15
	DP-816	2500/5A	15	20
	DP-816	3000/5A	20	25
	DP-816	4000/5A	20	25
	DP-816	5000/5A	20	25
	DP-816	6000/5A	20	25
	DP-816	1000/1A	5	10
	DP-816	1500/1A	7.5	10
	DP-816	2000/1A	10	15
	DP-816	2500/1A	15	20
	DP-816	3000/1A	20	25
	DP-816	4000/1A	20	25
	DP-816	5000/1A	20	25
	DP-816	6000/1A	20	25

CAUTION

1. Before installation, safety precautions must be followed by licensed professional.
2. Never energize primary unless short circuited terminals or burden connected to secondary.