# **AC Leakage Current Transformers**

# SPA366-W Series

SPA366-W series leakage current transformer is specially designed for leakage current sampling for the online monitoring devices on the electric equipment. Leakage current normally is rated in mA level, and must be one turn through. This SPA series current transformer based on zero-flux principle, when in working state, it constantly stay in the theoretical "zero-flux" state, thus guarantee the maximum high precision of ratio error and phase error. The temperature, vibration and return loop, etc almost can not affect it.

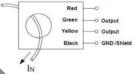
#### Features

- No power supply, one turn through hole structure, fine stability;
- Adopt hipernik/permalloy, with fine linearity, high sensitivity;
- Metal case, with special finishing treatment, fine stability, strong anti-interference ability, good for outdoor application.

### Applications

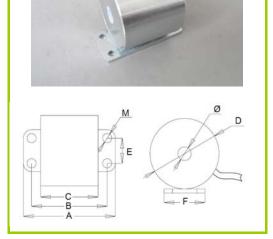
Suitable for earth lead current leakage and dielectric loss testing for high voltage electric equipment. Insulation online monitoring device, e.g CT, PT, CVT, main transformer, main core, various arresters, switches.

Circuit connection diagram



e, e.g CT, ches.

output
output
on/Shield



•	Technique	Index
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Electrical Parameter							
Frequency	50-60Hz						
Rated Input	10mA、20mA、30mA						
Measuring range	10uA-700mA(AC)						
Rated Output	0-10V(AC)						
Ratio	±0.1%						
Phase angle	±1min 🗸						

Mechanical Parameter								
Hole diameter	8、12、25、30、45、60、70mm							
Construction	Screw							
Power supply voltage	±12V or ±15V							
Operatingtemperature	−25°C∼+75°C							
Operating Humidity	≤85%							
Output Connection	4*0.3mm <sup>2</sup> Shielded cable 30 cm							

### Type Selection

Mfg P/N	Rated	Ratio Accuracy		Dimensions (mm)							
9.,	Input		11304	Ø	A	В	6	D	Е	F	М
SPA366-Y-008	0-100mA	1:1000	0.02	8.0	56.0	46.0	<b>36.0</b>	42.0	15.0	25.0	4.5
3PA300-1-006	0-100ITIA	1:2000	0.05		36.0 1	56.0 46.0	30.0	42.0	15.0	25.0	4.5
SPA366-Y-012	0.1001	1:1000	0.02	12.5	63.0 53.0	40.0	50.0	15.0	25.0	4.5	
SPA300-Y-U12	0-100mA	1:2000	0.05	12.3		55.0	40.0	50.0	18.0	25.0	4.5
CDA244 V 025	0 100m A	1:1000	0.02	25.5	72.0	58.0	45.0	65.0	30.0	44.0	6.5
SPA366-Y-025	0-100mA	1:2000	0.05		72.0	0 56.0	45.0	03.0	30.0	44.0	0.5
SPA366-Y-030	0-100mA	1:1000	0.02	35.5	77.0	63.0	50.0	75.0	30.0	44.0	6.5
3PA300-1-030		1:2000	0.05	33.3	77.0	03.0	30.0	73.0	30.0	44.0	0.5
CD40// V 045	0-500mA	1:1000	0.02	45.0	82.0	68.0	55.0	85.0	30.0	44.0	8.5
SPA366-Y-045		1:2000	0.05		02.0	00.0	33.0	03.0	30.0	44.0	0.0
SPA366-Y-060	0-500mA	1:1000	0.02	60.0	87.0	73.0	60.0	100.0	40.0	54.0	8.5
		1:2000	0.05		07.0	73.0	00.0	100.0	40.0	54.0	0.3
SPA366-Y-070	0-500mA	1:1000	0.02	70.0	87.0	73.0	60.0	110.0	40.0	54.0	8.5
		1:2000	0.05	70.0	67.0	73.0	00.0	110.0	40.0	54.0	0.3

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## **AC Leakage Sensors**

# SPA366-Y Series

SPA366-Y series leakage Sensors is specially designed for leakage current sampling for the online monitoring devices on the electric equipment. Leakage current normally is rated in mA level, and must be one turn through. This SPA series sensors based on zero-flux principle, when in working state, it constantly stay in the theoretical "zero-flux" state, thus guarantee the maximum high precision of ratio error and phase error. The temperature, vibration and return loop, etc almost can not affect it.

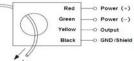
#### **Features**

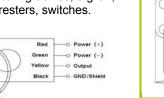
- With power supply, one turn through hole structure, fine stability;
- Adopt hipernik/permalloy, with fine linearity, high sensitivity;
- Metal case, with special finishing treatment, fine stability, strong anti-interference ability, good for outdoor application.

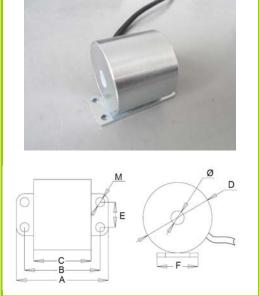
### **Applications**

Suitable for earth lead current leakage and dielectric loss testing for high voltage electric equipment. Insulation online monitoring device, e.g CT, PT, CVT, main transformer, main core, various arresters, switches.

Circuit connection diagram







♦ Technique Ind	ex
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Electrical Parameter						
Frequency	50-60Hz					
Rated Input	10mA、20mA、30mA					
Measuring range	10uA-700mA(AC)					
Rated Output	0-10V(AC)					
Ratio	±0.1%					
Phase angle	±1min					

Mechanical Parameter						
Hole diameter	8、12、25、30、45、60、70mm					
Construction	Screw					
Power supply voltage	±12V or ±15V					
Operatingtemperature	−25℃~+75℃					
Operating Humidity	≤85%					
Output Connection	4*0.3mm <sup>2</sup> Shielded cable 30 cm					

## Type Selection

Mfg P/N	Rated	Ratio Accuracy		Dimensions (mm)							
	Input	itatio	1100011000	Ø	A	В	6	D	Е	F	М
SPA366-Y-008	0-100mA	1:1000	0.02	8.0	56.0	46.0	<b>36.0</b>	42.0	15.0	25.0	4.5
3PA300-1-000	0-100IIIA	1:2000	0.05		36.U II 4	46.0	30.0	42.0	15.0	25.0	4.5
CDA244 V 012	0.100mA	1:1000	0.02	12.5	63.0 53.0	52.0	1400	50.0	15.0	25.0	4.5
SPA366-Y-012	0-100mA	1:2000	0.05	12.5		33.0	40.0	30.0	6.0	25.0	4.5
CDA2// V 02F	0.100	1:1000	0.02	25.5	72.0	58.0	45.0	CE O	30.0	44.0	6.5
SPA366-Y-025	0-100mA	1:2000	0.05		72.0	0 38.0	45.0	65.0	30.0	44.0	6.5
CDA2// V 020	0.100	1:1000	0.02	35.5	77.0	63.0	50.0	75.0	30.0	44.0	6.5
SPA366-Y-030	0-100mA	1:2000	0.05	33.3	77.0	03.0	30.0	75.0	30.0	44.0	6.5
00404444045	0-500mA	1:1000	0.02	45.0	82.0	68.0	55.0	85.0	30.0	44.0	8.5
SPA366-Y-045		1:2000	0.05		02.0	00.0	55.0	05.0	30.0	44.0	0.0
SPA366-Y-060	0-500mA	1:1000	0.02	60.0	87.0	72.0	CO 0	100.0	40.0	540	0.5
		1:2000	0.05		87.0	73.0	60.0	100.0	40.0	54.0	8.5
SPA366-Y-070	0-500mA	1:1000	0.02	70.0	87.0	73.0	60.0	110.0	40.0	54.0	0.5
		1:2000	0.05	70.0	67.0	73.0	60.0	110.0	40.0	34.0	8.5