

SINCE 1996



温州赛发电气有限公司

WENZHOU SAIFA ELECTRIC CO.,LTD



CE CB ISO9001 Exe II



General Technical Index

Technical parameters			Index
Input	Voltage	Rated value	AC 0~600V
		Over load	Consistent:1.2 times instantaneous:2 times /30s
		Consumption	<0.5VA(each phase)
		Impedance	>500kΩ
	Current	Rated value	AC 1A, 5A
		Over load	Consistent:1.2 times instantaneous:2 times /1s
		Impedance	<2mΩ
Measuring accuracy	Frequency		45~65Hz
	Voltage, current		±(0.5%FS+one digit)
	Active reactive power		±(0.5%FS+one digit)
	Frequency		±0.1Hz
	Harmonic		The three-phase voltage/current 21 total harmonic content
	Power factor		±0.01PF
	Active energy		±0.5%(only for reference, not for meterage)
Power	Reactive energy		±1.0%(only for reference, not for meterage)
	Scope		AC 220V,50/60Hz AC/DC 85~265V
Safety	Consumption		
	Insulating resistance		>5VA
Environment	Withstand voltage	Input and power	>2kv50Hz/1min
		Input and output	>1kv50Hz/1min
		Output and power	>2kv50Hz/1min
	Any two of input, output, power, casing>20MΩ		
Temperature	Operation : -10~50°C		
	Storage: -25~70°C		
	Humidity		≤85%RH, free of wet and corrosive gas
Elevation		≤3000m	

Type and designation

SF - - +

Additional functions

RS:Communication interface: RS485

nDO:switch value output(n=1,2,3,4 channels)

nDI:switch value input(n=1,2,3,4 channels)

nAO:analog quantity output(n=1,2,3,4 channels)

H:harmonic

Measurement parameters(can combine several parameters)

U:voltage **I**:current **F**:frequency **H**:power factor **P**:active power

Q:reactive power **R**:revolutions per minute **E**:multifunction power meter

Phase

Omit:single-phase or DC **3**:three-phase

Display mode

1: one-row nixietube display

3: three-row nixietube display

5: five-row nixietube display

Y: LCD display

2: two-row nixietube display

4: four-row nixietube display

6: six-row nixietube display

Function code

K:programmable meter

S:multifunction meter

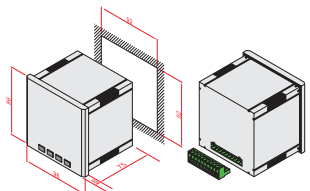
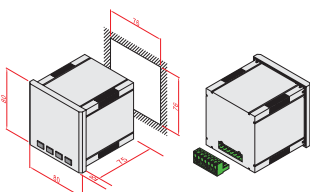
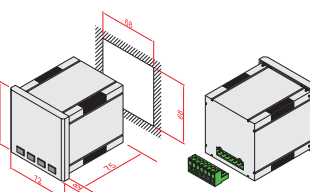
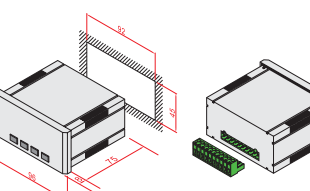
C:sensor signal meter

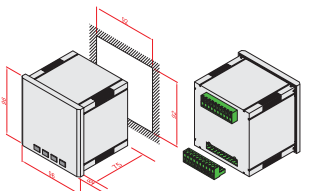
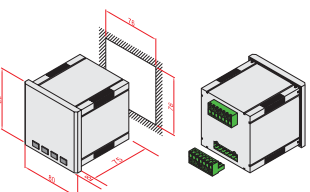
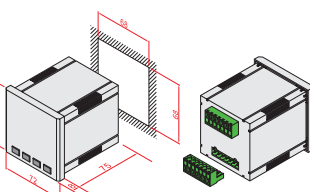
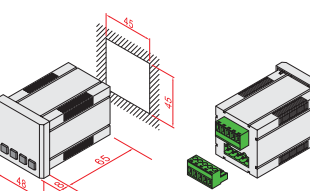
Shape code

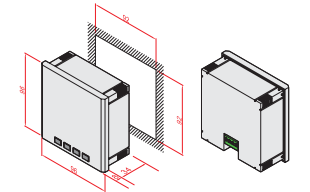
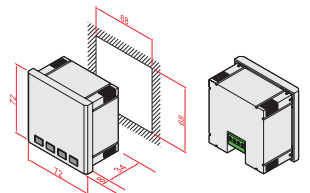
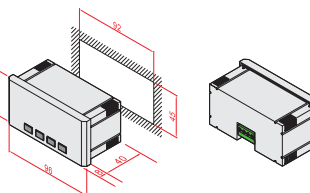
4: 48×48 **5**: 96×48 **7**: 72×72

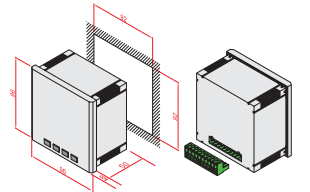
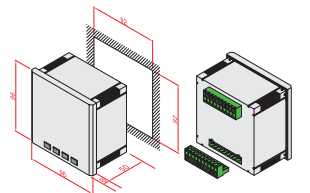
8: 80×80 **9**: 96×96 **G**: modular type

N: long case **S**: short case

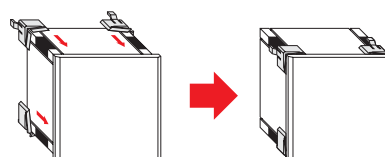
Model	SFN series installation dimension and terminal arrangement
SFN-9K1-I	
SFN-9K1-U	
SFN-9K1-F	
SFN-9K1-H	
SFN-9K1-P	
SFN-9K3-3I	
SFN-9K3-3U	
SFN-9K3-UIF	
SFN-8K1-I	
SFN-8K1-U	
SFN-8K1-F	
SFN-8K1-H	
SFN-8K1-P	
SFN-7K1-I	
SFN-7K1-U	
SFN-7K1-F	
SFN-7K1-H	
SFN-7K1-P	
SFN-5K1-I	
SFN-5K1-U	
SFN-5K1-F	
SFN-5K1-H	
SFN-5K1-P	

Model	SFN series installation dimension and terminal arrangement
SFN-9K1-3P	
SFN-9K5-3UIF	
SFN-9K5-3UIHF	
SFN-9K5-3UIP	
SFN-9K6-3UI	
SFN-9S3-3E	
SFN-9SY-3E	
SFN-8K3-3I	
SFN-8K3-3U	
SFN-8K3-UIF	
SFN-8S3-3E	
SFN-8SY-3E	
SFN-7K3-3I	
SFN-7K3-3U	
SFN-7K3-UIF	
SFN-7S3-3E	
SFN-7SY-3E	
SFN-4K1-I	
SFN-4K1-U	
SFN-4K1-F	
SFN-4K1-H	
SFN-4K1-P	
SFN-4K3-3I	
SFN-4K3-3U	
SFN-4K3-UIF	

Model	SFS series installation dimension and terminal arrangement
SFS-9K1-I	
SFS-9K1-U	
SFS-9K1-F	
SFS-7K1-I	
SFS-7K1-U	
SFS-7K1-F	
SFS-5K1-I	
SFS-5K1-U	
SFS-5K1-F	

Model	SFS series installation dimension and terminal arrangement
SFS-9K3-3I	
SFS-9K3-3U	
SFS-9K3-UIF	
SFS-9K5-3UIF	
SFS-9K5-3UIHF	
SFS-9K5-3UIP	
SFS-9S3-3E	
SFS-9SY-3E	

Method of installation





1. Technical parameters

Measuring range:

Digital AC Ammeter: Direct measurement: AC 0~5A; Accessory device: AC 0~9999A(CT */ 5A).

Digital DC Ammeter: Direct measurement: DC 0~5A; Accessory device: DC 0~9999A(Shunt */ 75mV).

Digital AC Voltmeter: Direct measurement: AC 0~600V; Accessory device: AC 0~9999KV(PT */ 100V)

Digital DC Voltmeter: Direct measurement: DC 0~600V

Digital Frequency Meter: 30.00~99.99Hz(AC 30~500V)

Accuracy rating: ±0.5 % FS±1 digit.

Measuring display mode: RMS measurement, four-digit LED nixietube display.

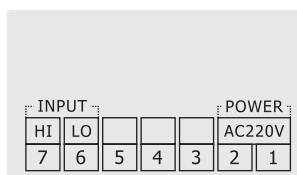
Auxiliary power supply: AC 220V,50/60Hz(Can customize other values: DC 24V, DC 48V, AC/DC 85~265V).

2. Terminal arrangement

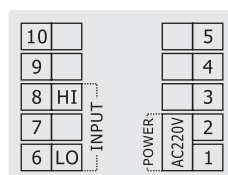
Attention: If it is not the same with the wiring schema of diagram behind case, please accord to the one of diagram behind case.



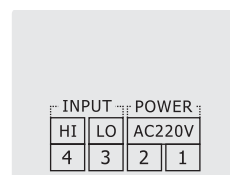
SFN series 96×96 96×48



SFN series 80×80 72×72



SFN series 48×48



SFS series 96×96 72×72

3. Model and Specification

Function & Shape Model	Measure & Display			shape code(Figuer Inside□)					Selected Additional Functions		
	Current	Voltage	Frequency	96×96	80×80	72×72	96×48	48×48	Communication interface:RS485	2-channels switch output	1-channels analog output
SFS-□K1-I	●			√		√	√				
SFS-□K1-U		●		√		√	√				
SFS-□K1-F			●	√		√	√				
SFN-□K1-I	●			√	√	√	√	√			
SFN-□K1-U		●		√	√	√	√	√			
SFN-□K1-F			●	√	√	√	√	√			
SFN-□K1-I+RS	●			√	√	√	√		★		
SFN-□K1-U+RS		●		√	√	√	√		★		
SFN-□K1-F+RS			●	√	√	√	√		★		
SFN-□K1-I+2DO	●			√	√	√	√			★	
SFN-□K1-U+2DO		●		√	√	√	√			★	
SFN-□K1-F+2DO			●	√	√	√	√			★	
SFN-□K1-I+1AO	●			√	√	√	√				★
SFN-□K1-U+1AO		●		√	√	√	√				★
SFN-□K1-F+1AO			●	√	√	√	√				★



sfim®

Digital Active Power Meter, Power Factor Meter



1. Technical parameters

Measuring range:

Digital Power Factor Meter: 0.000C~0.500C~1.000~0.500L~0.000L.

Digital Active Power Meter: 0~999W~999KW~9999MW.

Signal input: Voltage: AC 0~500V(PT */ 100V), Current: AC 5A (CT */ 5A or 1A).

Accuracy rating: ±0.5 % FS±1 digit.

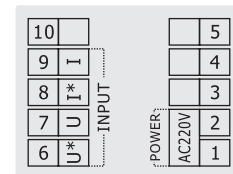
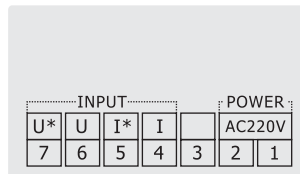
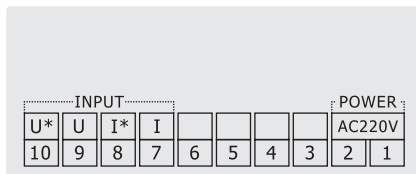
Measuring display mode: RMS measurement, four-digit LED nixietube display.

Auxiliary power supply: AC 220V,50/60Hz(Can customize other values: DC 24V, DC 48V, AC/DC 85~265V).

2. Terminal arrangement

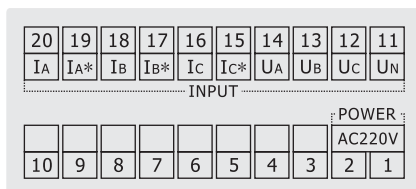
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Single phase

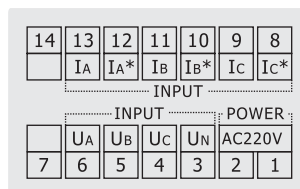


48×48

Three phase



96×96 96×48



80×80 72×72

3. Model and Specification

Function & Shape Model	Measure & Display				shape code(Figuer Inside□)					Selected Additional Functions
	1-phase power factor	1-phase active power	3-phase power factor	3-phase active power	96×96	80×80	72×72	96×48	48×48	
SFN-□K1-H	●				√	√	√	√	√	
SFN-□K1-P		●			√	√	√	√	√	
SFN-□K1-3H			●		√	√	√	√	√	
SFN-□K1-3P				●	√	√	√	√	√	
SFN-□K1-H+RS	●				√	√	√	√		★
SFN-□K1-P+RS		●			√	√	√	√		★
SFN-□K1-3H+RS			●		√	√	√	√		★
SFN-□K1-3P+RS				●	√	√	√	√		★



1. Technical parameters

Measuring range:

Voltage: AC 0~500V; Current: AC 0~9999A; Frequency: 45~65Hz or Power Factor: 0.0C~0.5C~1.0~0.5L~0.0L or Active Power: 0~9999KW

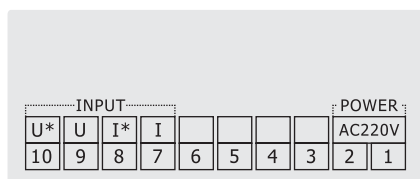
Accuracy rating: ±0.5 % FS±1 digit.

Measuring display mode: RMS measurement, four-digit LED nixietube display.

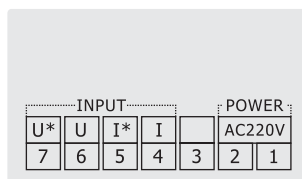
Auxiliary power supply: AC 220V, 50/60Hz (Can customize other values: DC 24V, DC 48V, AC/DC 85~265V).

2. Terminal arrangement

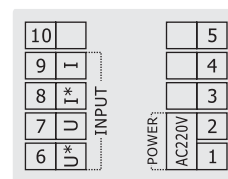
Attention: If it is not the same with the wiring schema of diagram behind case, please accord to the one of diagram behind case.



SFN-SFS series 96×96



SFN series 80×80 72×72



SFN series 48×48

3. Model and Specification

Function & Shape Model	Measure & Display					shape code(Figuer Inside □)				Selected Additional Functions		
	Current	Voltage	Frequency	Power Factor	Active Power	9 96×96	8 80×80	7 72×72	4 48×48	Communication interface: RS485	2-channels switch output	1-channels analog output
SFS-□K2-UI	●	●				√						
SFS-□K3-UIF	●	●	●			√						
SFS-□K3-UIH	●	●		●		√						
SFS-□K3-UIP	●	●			●	√						
SFN-□K2-UI	●	●				√						
SFN-□K3-UIF	●	●	●			√	√	√	√			
SFN-□K3-UIH	●	●		●		√	√	√	√			
SFN-□K3-UIP	●	●			●	√	√	√	√			
SFN-□K3-UIF+RS	●	●	●			√	√	√		★		
SFN-□K3-UIH+RS	●	●		●		√	√	√		★		
SFN-□K3-UIP+RS	●	●			●	√	√	√		★		
SFN-□K3-UIF+2DO	●	●	●			√					★	
SFN-□K3-UIH+2DO	●	●		●		√					★	
SFN-□K3-UIP+2DO	●	●			●	√					★	
SFN-□K3-UIF+1AO	●	●	●			√						★
SFN-□K3-UIH+1AO	●	●		●		√						★
SFN-□K3-UIP+1AO	●	●			●	√						★



1. Technical parameters

Measuring range:

Three Phase Digital Ammeter: Direct measurement: AC 0~5A; Accessory device: AC 0~9999A(CT */ 5A).

Three Phase Digital Voltmeter: Direct measurement: AC 0~600V; Accessory device: AC 0~9999KV(PT */ 100V)

Accuracy rating: ±0.5 % FS±1 digit.

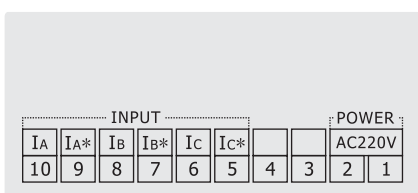
Measuring display mode: RMS measurement, four-digit LED nixietube display.

Auxiliary power supply: AC 220V,50/60Hz(Can customize other values: DC 24V, DC 48V, AC/DC 85~265V).

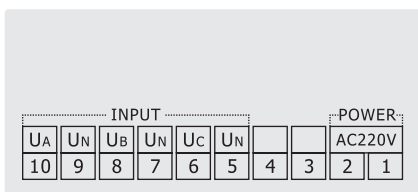
2. Terminal arrangement

Attention: If it is not the same with the wiring schema of diagram behind case, please accord to the one of diagram behind case.

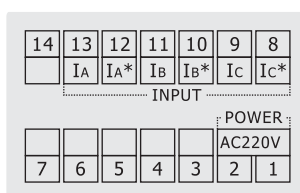
AMMETER



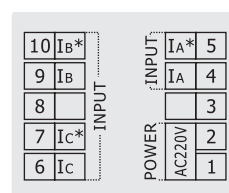
VOLTMETER



SFN SFS series 96×96



SFN series 80×80 72×72



SFN series 48×48

3. Model and Specification

Model	Function & Shape	Measure & Display		shape code(Figuer Inside □)				Selected Additional Functions		
		Three Phase Current	Three Phase Voltage	96×96	80×80	72×72	48×48	Communication interface:RS485	2-channels switch output	1-channels analog output
SFS-□K3-3I		●		√						
SFS-□K3-3U			●	√						
SFN-□K3-3I		●		√	√	√	√			
SFN-□K3-3U			●	√	√	√	√			
SFN-□K3-3I+RS		●		√	√	√		★		
SFN-□K3-3U+RS			●	√	√	√		★		
SFN-□K3-3I+2DO		●		√					★	
SFN-□K3-3U+2DO			●	√					★	
SFN-□K3-3I+1AO		●		√						★
SFN-□K3-3U+1AO			●	√						★



1. Technical parameters

Measuring range:

- Phase voltage(UA, UB, UC): 0~500V. •Line voltage(UAB, UBC, UCA): 0~500V. •Current(IA, IB, IC): 0~9999A
- Frequency or Frequency&Power Factor or Active Power.

Signal input: Voltage: AC 0~500V(PT */ 100V), Current: AC 5A (CT */ 5A)

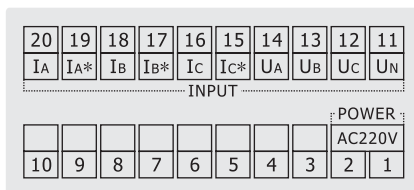
Accuracy rating: ±0.5 % FS±1 digit.

Measuring display mode: RMS measurement, four-digit LED nixietube display.

Auxiliary power supply: AC 220V,50/60Hz(Can customize other values: AC/DC 85~265V).

2. Terminal arrangement

Attention: If it is not the same with the wiring schema of diagram behind case, please accord to the one of diagram behind case.



SFN SFS series 96×96

3. Model and Specification

Model	Function & Shape	Measure & Display						Shape code (Figuer Inside □) 96×96	Selected Additional Functions	
		Phase Voltage	Line Voltage	Current	Frequency	Power Factor	Active Power		Communication interface: RS485	4-channels switch output
SFS-□K5-3UIF		●	●	●	●			√		
SFS-□K5-3UIHF		●	●	●	●	●		√		
SFS-□K5-3UIP		●	●	●			●	√		
SFN-□K5-3UIF		●	●	●	●			√		
SFN-□K5-3UIHF		●	●	●	●	●		√		
SFN-□K5-3UIP		●	●	●			●	√		
SFN-□K6-3UI		●	●	●				√		
SFN-□K5-3UIF+RS		●	●	●	●			√	★	
SFN-□K5-3UIHF+RS		●	●	●	●	●		√	★	
SFN-□K5-3UIP+RS		●	●	●			●	√	★	
SFN-□K6-3UI+RS		●	●	●				√	★	
SFN-□K5-3UIF+4DO		●	●	●	●			√		★
SFN-□K5-3UIHF+4DO		●	●	●	●	●		√		★
SFN-□K5-3UIP+4DO		●	●	●			●	√		★
SFN-□K6-3UI+4DO		●	●	●				√		★



1. Technical parameters

Measuring range:

- Phase voltage(U_A , U_B , U_C): 0~500V
- Current(I_A , I_B , I_C): 0~9999A
- Power factor(PFA , PFB , PF_C , PF_S): 0.0C~1.0~0.0L
- Reactive power(Q_A , Q_B , Q_C , Q_S): 0~999Var~999KVar~9999MVar
- Active electric energy: 0~99999999KWh~9999999MWh

Signal input: AC 0~500V(PT */ 100V), AC 5A (CT */ 5A)

Communication interface: RS485 communication, MODBUS_RTU protocol.

Auxiliary power supply: AC 220V,50/60Hz(Can customize other values: AC/DC 85~265V).

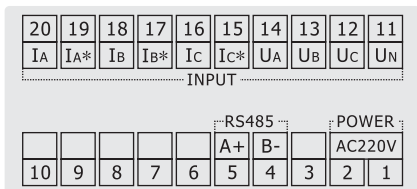
- Line voltage(U_{AB} , U_{BC} , U_{CA}): 0~500V
- Frequency: 45~65Hz
- Active power(P_A , P_B , P_C , P_S): 0~999W~999KW~9999MW
- Apparent power(S_A , S_B , S_C , S_S): 0~999VA~999KVA~9999MVA
- Reactive electric energy: 0~99999999KVarh~9999999MVarh

Accuracy rating: $\pm 0.5\%$ FS ± 1 digit.

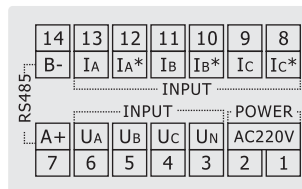
Measuring display mode: RMS measurement

2. Terminal arrangement

Attention: If it is not the same with the wiring schema of diagram behind case, please accord to the one of diagram behind case.



SFN-SFS series 96×96



SFN series 80×80 72×72

3. Model and Specification

Model	Function & Shape	Measure & Display														Shape Code (Figuer Inside)			Selected Additional Functions				
		Phase Voltage	Line Voltage	Current	Frequency	Total Power Factor	Total Active Power	Total Reactive Power	Total Apparent Power	Each Phase Power Factor	Each Phase Active Power	Each Phase Reactive Power	Each Phase Apparent Power	Active Energy	Reactive Energy	96×96	80×80	72×72	Communication interface: RS485	4-channels switch output	4-channels switch input	4-channels analog output	Harmonic
SFS-□S3-3E		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√			★				
SFS-□SY-3E		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√			★				
SFN-□S3-3E		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√	√	√	★				
SFN-□SY-3E		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√	√	√	★				
SFN-□S3-3E+4DO		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√			★	★			
SFN-□SY-3E+4DO		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√			★	★			
SFN-□S3-3E+4DI		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√			★		★		
SFN-□SY-3E+4DI		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√			★		★		
SFN-□S3-3E+4AO		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√			★			★	
SFN-□SY-3E+4AO		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√			★			★	
SFN-□SY-3E+H		●	●	●	●	●	●	●	●	●	●	●	●	●	●	√			★				★



sfim[®] SF666 SF777 Digital Ammeter, Voltmeter, Frequency Meter


NEW 0.8" LED



SF666I

Measuring Range: 0~9999A
Signal Input: AC 5A, 1A or DC 60mV, 75mV
Accuracy Class: $\pm(0.5\%FS+1 \text{ digit})$
Auxiliary Power: AC 220V or AC/DC 85~265V

NEW 0.8" LED



SF666U

Measuring Range: 0~600V
Signal Input: AC 0~600V or DC 0~600V
Accuracy Class: $\pm(0.5\%FS+1 \text{ digit})$
Auxiliary Power: AC 220V or AC/DC 85~265V


NEW 0.8" LED



SF666F

Measuring Range: 30~99Hz
Signal Input: AC 30~500V
Accuracy Class: $\pm(0.5\%FS+1 \text{ digit})$
Auxiliary Power: AC 220V or AC/DC 85~265V


NEW 0.8" LED touch key



SF777I

Measuring Range: 0~9999A
Signal Input: AC 5A or 1A or DC 75mV
Accuracy Class: $\pm(0.5\%FS+1 \text{ digit})$
Auxiliary Power: AC 220V or AC/DC 85~265V


NEW 0.8" LED touch key



SF777U

Measuring Range: 0~600V
Signal Input: AC 0~600V or 0~600V
Accuracy Class: $\pm(0.5\%FS+1 \text{ digit})$
Auxiliary Power: AC 220V or AC/DC 85~265V

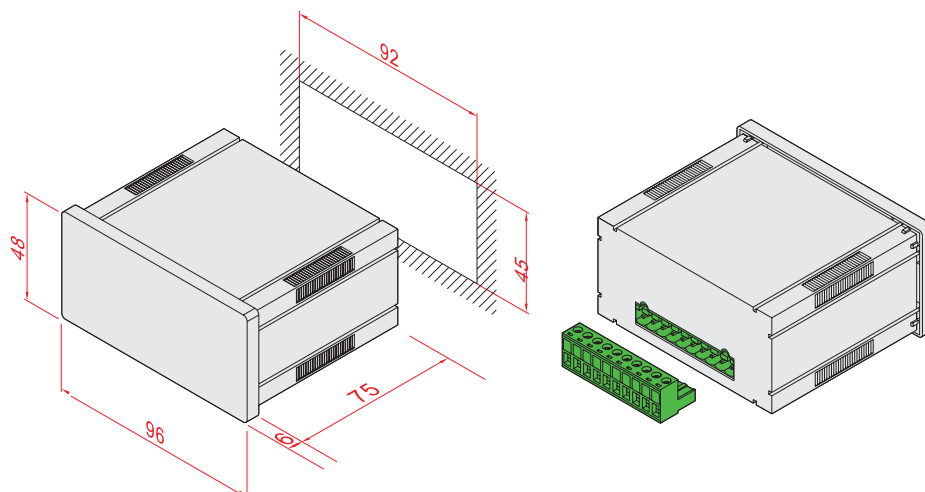
NEW 0.8" LED touch key



SF777F

Measuring Range: 30~99Hz
Signal Input: AC 30~500V
Accuracy Class: $\pm(0.5\%FS+1 \text{ digit})$
Auxiliary Power: AC 220V or AC/DC 85~265V

Dimension and Installment




SFN-G2X2-UI

Measuring Range: 80~300V, 0~999A
Signal Input: AC 80~300V, 5A
Accuracy Class: $\pm(1\%FS+1 \text{ digit})$
Auxiliary Power: no


SFN-G2X2-UICT

Measuring Range: 80~300V, 0~100A
Signal Input: AC 80~300V, 0~100A
Accuracy Class: $\pm(1\%FS+1 \text{ digit})$
Auxiliary Power: no


SFN-G2X1-I

Measuring Range: 0~999A
Signal Input: AC 5A
Accuracy Class: $\pm(1\%FS+1 \text{ digit})$
Auxiliary Power: AC 80~300V


SFN-G2X1-ICT

Measuring Range: 0~100A
Signal Input: AC 0~100A
Accuracy Class: $\pm(1\%FS+1 \text{ digit})$
Auxiliary Power: AC 80~300V


SFN-G2X1-U

Measuring Range: 80~300V
Signal Input: AC 80~300V
Accuracy Class: $\pm(1\%FS+1 \text{ digit})$
Auxiliary Power: no


SFN-G3K1-I

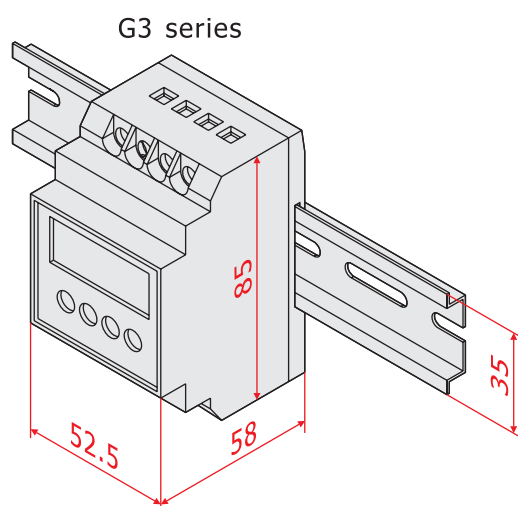
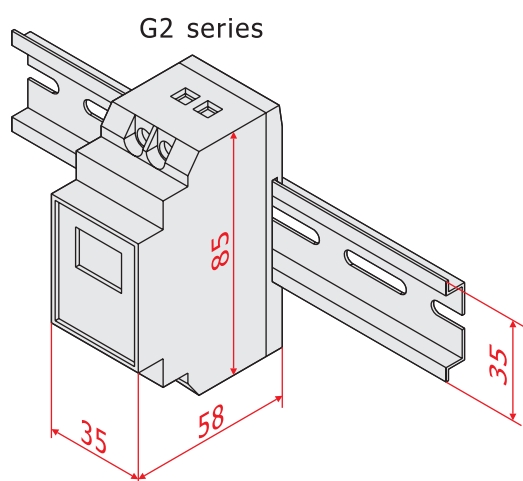
Measuring Range: 0~9999A
Signal Input: AC 5A
Accuracy Class: $\pm(0.5\%FS+1 \text{ digit})$
Auxiliary Power: AC 220V, 50/60Hz

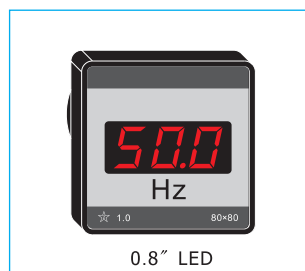
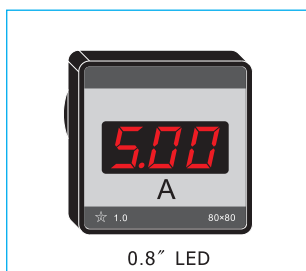
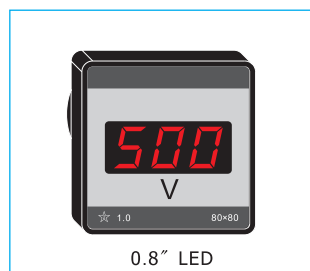

SFN-G3K1-U

Measuring Range: 0~600V
Signal Input: AC 0~600V
Accuracy Class: $\pm(0.5\%FS+1 \text{ digit})$
Auxiliary Power: AC 220V, 50/60Hz


SFN-G3K1-F

Measuring Range: 30~99Hz
Signal Input: AC 30~500V
Accuracy Class: $\pm(0.5\%FS+1 \text{ digit})$
Auxiliary Power: AC 220V, 50/60Hz

Dimension and Installment




1. Technical parameters

Measuring range: Ammeter: Direct measurement: AC 0~60A; Accessory device: AC 0~999A(CT */ 5A);

Voltmeter: Direct measurement: AC 80~500V;

Frequency Meter: 30~99Hz(AC 80~500V).

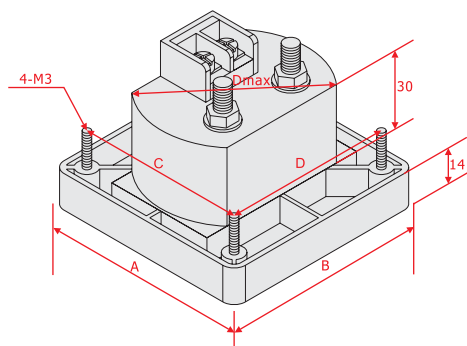
Accuracy rating: $\pm 1.0\%$ FS ± 2 digit. .

Display resolution: Ammeter: 0.01A, Voltmeter: 1V, frequency: 0. 1Hz

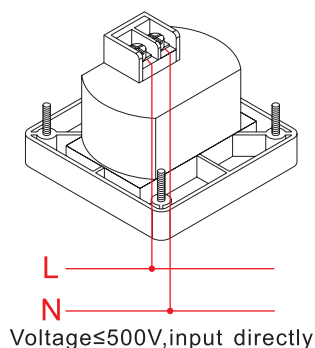
Measuring display mode: three-digit LED nixietube display.

Auxiliary power supply: AC 200~500V or 80~300V(for ammeter).

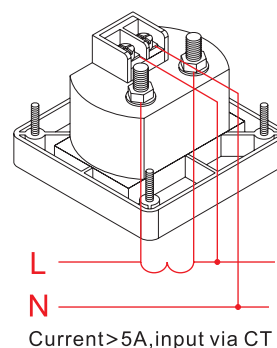
2. Dimension & Wiring



Voltmeter & Frequency meter



Ammeter



3. Model and Specification

Function & Shape Model	Measure & Display			Dimension				
	Current	Voltage	Frequency	A	B	C	D	Dmax
SFD-80-I	●			80	80	64	64	Φ64
SFD-80-U		●						
SFD-80-F			●					
SFD-60-I	●			60	60	48	48	Φ51
SFD-60-U		●						
SFD-60-F			●					



Auxiliary power supply: AC 200~500V or 80~300V(for ammeter).

Current > 5A, input via CT

Function & Shape Model	Measure & Display			Dimension					
	Current	Voltage	Frequency	A	B	C	D	E	Hole cutout
RCD-96-I	●			96	96	90	90	44	92×92
RCD-96-U		●							
RCD-96-F			●						
RCD-96-UI	●	●							
RCD-80-I	●			80	80	74	74	44	76×76
RCD-80-U		●							
RCD-80-F			●						
RCD-80-UI	●	●							
RCD-72-I	●			72	72	66	66	44	68×68
RCD-72-U		●							
RCD-72-F			●						
RCD-72-UI	●	●							
RCD-48-I	●			48	48	44	44	44	45×45
RCD-48-U		●							
RCD-48-F			●						

5135 DIGITAL METER

LED

Model	Panel dimension	Cutout hole dimension
SFD-5135-I	79×43	76×40
SFD-5135-U	79×43	76×40

Signal input:

AC 0~5A(CT**/5A)

DC 0~5A(Shunt**/75mV)

AC 0~600V

DC 0~600V

Auxiliary power:

AC/DC 9.5V or DC 5V

85 DIGITAL METER

LED

Model	Panel dimension	Cutout hole dimension
SFD-85-I	70×40	68×38
SFD-85-U	70×40	68×38

Signal input:

VOLTMETER: AC 80~500V

AMMETER: AC 0~100A

85 DIGITAL UI COMBINED METER

LED

Model	Panel dimension	Cutout hole dimension
SFD-85-UI	70×40	68×38

Signal input:

AC 80~500V, 0~100A

85 DIGITAL METER

LCD

Model	Panel dimension	Cutout hole dimension
SFD-85-I	70×40	68×38
SFD-85-U	70×40	68×38

Signal input:

VOLTMETER: AC 80~500V

AMMETER: AC 0~100A

91 DIGITAL METER

LCD

Model	Panel dimension	Cutout hole dimension
SFD-91-U	40×40	35.5×20.5

Signal input:

AC 80~500V

52 DIGITAL METER

LED

Model	dimension
SFD-52-2042	3P(DZ47/C45)

Signal input:

AC 80~300V, 200~450V

AC 0~100A

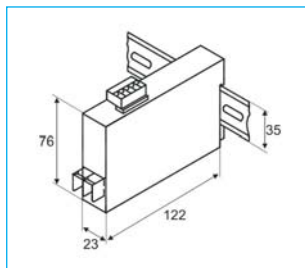
General Technical Indicators

Parameters	Index
Accuracy	$\pm(0.5\%FS + \text{one digit})$
Input	Current: 1mA, 10mA, 100mA, 1A, 5A, 10A
	Voltage: 1V, 10V, 100V, 220V, 450V
Over load	Instantaneous: current: 10 times /s, voltage: 2 times /s
Frequency	45~65Hz
Communication	RS485, MODBUS_RTU

Parameters	Index
Power	AC/DC 85~265V
Consumption	<4VA
Operation	-5~55°C
Working	$\geq 50000h$
Environment	$\leq 85\%RH$, free of wet and corrosive gas $\leq 85\%RH$
Output	DC4~20mA, DC0~20mA, DC0~10V, DC0~5V

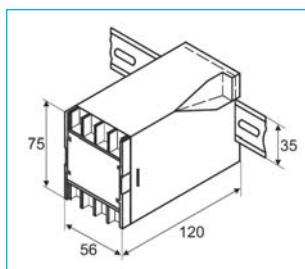
Model and Specification

ECONOMIC TRANSDUCER



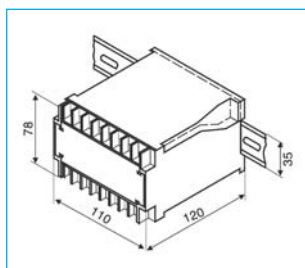
NAME	MODEL
AC Current Transducer	SFN-BS4I
AC Voltage Transducer	SFN-BS4U
Frequency Transducer	SFN-BS4F
DC Current Transducer	SFN-BS5I
DC Voltage Transducer	SFN-BS5U

SINGLE-PHASE TRANSDUCER



NAME	MODEL
Single-phase Current Transducer	SFN-BS4ID
Single-phase Voltage Transducer	SFN-BS4UD
Frequency Transducer	SFN-BS4FD
Single-phase Active power Transducer	SFN-BS4PD
Single-phase Reactive power Transducer	SFN-BS4QD
Single-phase Power Factor Transducer	SFN-BS4HD

THREE-PHASE TRANSDUCER



NAME	MODEL
Three-phase Current Transducer	SFN-3BS4ID
Three-phase Voltage Transducer	SFN-3BS4UD
Three-phase Active power Transducer	SFN-3BS4PD
Three-phase Rective power Transducer	SFN-3BS4QD
Three-phase Power Factor Transducer	SFN-3BS4HD
Three-phase Multifunctional Transducer	SFN-3BS4ED