

# FREQUENCY / POWER FACROR METER

## Ordering information

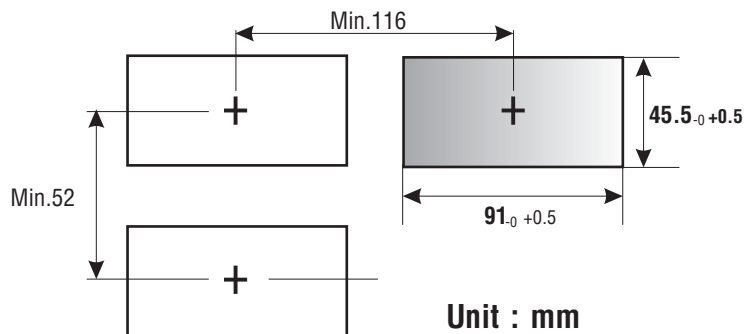
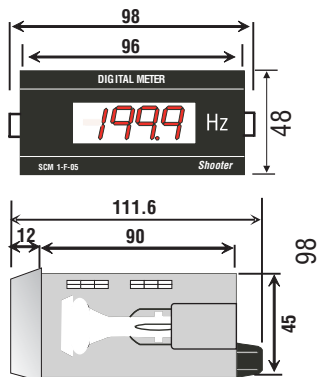
S C M 1 - F 0.5 1 - Ru 2



NO	AC VOLTAGE	AC CURRENT
1	30-300 V	1( 2) A
2	30-300 V	5 (6) A
Ru	Under Frequency Relay - 1A.250V	
Ro	Over Frequency Relay - 1A.250V	
3	3 ½ digit - Average value - RMS value	
4	4 ½ digit - Average value - RMS value	
0.5	Class 0.5	
1	Class 1	
F	Frequency	
PF	Power Factor	
	1 Element	
M	Series Meter for DIN size W96 x H48mm	

Measuring input

## Panel cut -out



# FREQUENCY / POWER FACTOR METER

## ■ Features

- Indicating 1999.
- AUTO ZERO
- Function .  
Available average measuring value for sine wave value/measuring value for root mean
- DIN size of W96 x H48.
- Diverse models of indicator, single preset,



## ■ Rating

Model	SCM 1-F -05-3-Ru-2	SCM 1-PF -05 SCM 1-PF -05-3-Ru-2
Measuring	AC voltage	
Power supply	100/220 VAC 50/60Hz	
Operating voltage range	90 to 110% rated voltage	
Power consumption	AC : 4VA	
Display method	7 Segment LED Display	
Indicating accuracy	F.S ±0,2% rdg. 1digit	AC : F.S ± 0,5% rdg. 1digit
Sampling control	300mS	
Operating method	Dual slope A/D conversion	
Response time	2sec (0 to Max)	
Max, input	30 to 300 vac,0.5 to 400 Hz	
Sampling time	2,5 Operation/sec	
Power consumption		250VAC 1A 1C   250VAC 1A 1C x 2

## ■ Characteristic

Insulation Resistance	100M Min. (At 500VDC) between power input terminal and control output terminal	
Impulse voltage	2000VAC 50/60Hz for 1 minute between power input terminal and control output terminal	
Noise	The square wave noise (pulse width :1 μs) by the noise simulator±300V	The square wave noise (pulse width 1μs) by the noise simulator± 1KV
Vibration	Mechanical durability	0,75mm amplitude at frequency of 10 to 55Hz in each of X, Y, Z directions for 1hour
	Malfunction durability	0,5mm amplitude at frequency of 10 to 55Hz in each of X, Y, Z directions for 10 minutes
Shock	Mechanical durability	300m/S <sup>2</sup> (30G) in X, Y, Z directions for 3 times
	Malfunction durability	100m/S <sup>2</sup> (10G) in X, Y, Z directions for 3 times
Ambient operating temperature	0 to 50°C	o
Ambient storage temperature	-25 to 65°C (at non-freezing status)	
Ambient humidity	35 to 85% RH	
Weight	SCM1FX : About 170g	SCM1PF:About 243g

## • Terminal Conection

