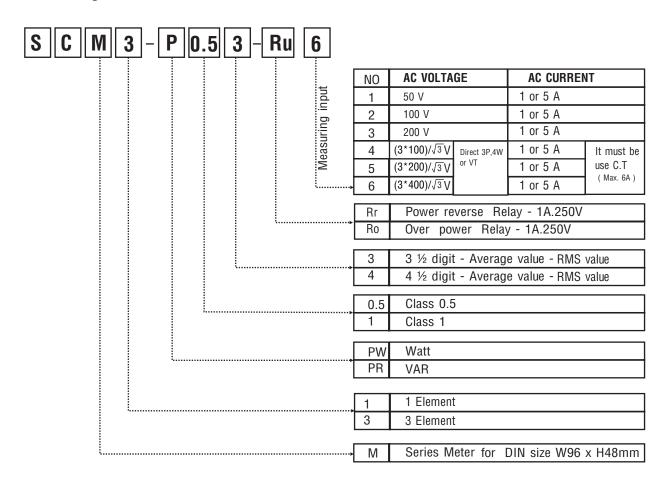
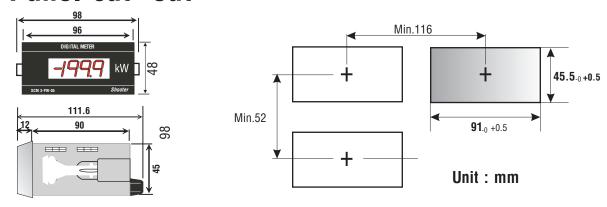


# **POWER METER**

# lacktriangle Ordering information



# Panel cut -out





### **■** Features

- Indicating 1999.
- AUTO ZERO
- HOLD function(with Watt, Var single phase 2wire)
   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-1PW-05-3-2 SCM-1PW-05-3-Pr-3 SCM -1PR-05-3-2 SCM -1PR-05-3-Ru-2	SCM-3PW-01 SCM-2PW-01 (3P-3W) SCM -3PR-01 SCM -3PR-01 (3P-3W)	
Measuring	AC Power		
Power supply	or to the second		
Operating voltage range			
Power consumption			
Display method			
Indicating accuracy	F.S ±0,2% rdg. ±1digit	AC: FS ± 1,0% rdg. ± 1digit	
Sampling control	300mS		
Operating method	Dual slope A/D conversion		
Response time	2sec (0 to Max)		
Max, input	150% per each range, but 400VAC is 120%, 6 A.AC		
Sampling time	2,50peration/sec		
Power consumption		250VAC 1A 1C	

### ■ Characteristic

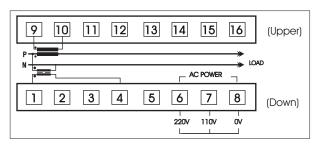
Ir	sulation Resistance	100M Min. (At 500VDC) between power input terminal and control output terminal			
Ir	mpulse voltage	voltage 2000VAC 50/60Hz for 1 minute between power input terminal and control output terminal			ol output terminal
Noise		The square wave noise (pulse width :1 µs) by the noise simulator±300V	The square wave	noise (pulse width $1\mu s$ ) by the n	oise simulato± 1KV
ation	Mechanical durability	0,75mm amplitude at frequency of 10 to 55Hz in each of X, Y, Z directions for 1hour			
Vibration	Malfunction durability	0,5mm ampl	implitude 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			
Sho	Malfunction durability	100m/S <sup>2</sup> (10G) in X, Y, Z directions for 3 times			
Ambient operting temperature		0 to 50°C	0		
Ambient storage temperature		-25 to 65°C (at non-freezing status)			
Ambient humidity 35 to 85% RH		5 to 85% RH			
٧	/eight	MS : About 52g	SCM1XX : About 170g	SCM1PW1-3-Ru-5 :About 343g	SCM-3PW05 : About 434g



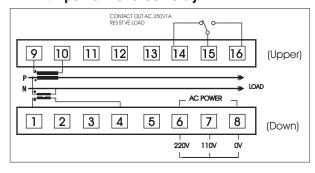


### **■ Terminal Connection**

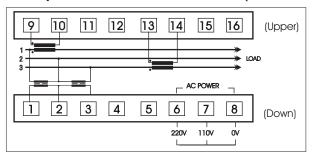
• 1 phase 2wire (W or Var)



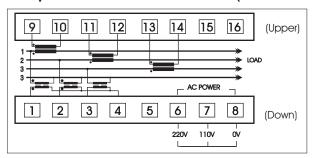
## 1 phase 2wire (W or Var) with power reverse relay



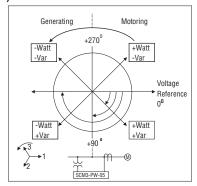
### 3phase 3wires unbalance load( W or Var )



#### • 3phase 4wires unbalance load( W or Var )



#### 1) Power Measurement Conventions

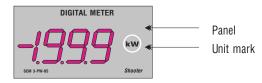


#### 2) Connection terminals

Terminals No.	Items	Contents
1 2	+5V GND	☐ The power terminal (5VDC)
3	HOLD	Note connection diagram
4 5 6 7	D.P1 D.P2 D.P3 D.P COM	Setection terminals of dicimal point.  - Common terminal of dicimal point.  10 <sup>3</sup> 10 <sup>2</sup> 10 <sup>1</sup> 1,9,9,9
8 9 10	IN- NC IN+	Measuring signal input terminal

#### 3) Unit mark

There is no unit mark in the SCM meter, please attach the unit mark on the panel board.



#### 4) Caution

Take care of insulation because it is not insulated between signal input line and power line.

- Be sure to supply the power after checking polarity of the power.
- If polarity of the power is connected in the opposite direction, the inner circuit can be damaged.
- Take care of direction of the connector in order not to mount it in the opposite direction.
- If the display indicate 1 or-1, be sure to turn off the power and check external connection, in this case the input signal is higher than full scale range or the power is lower than the rated voltage.