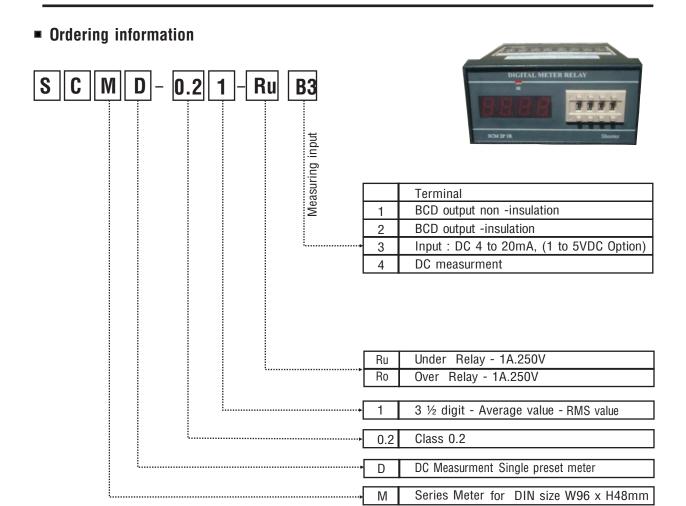
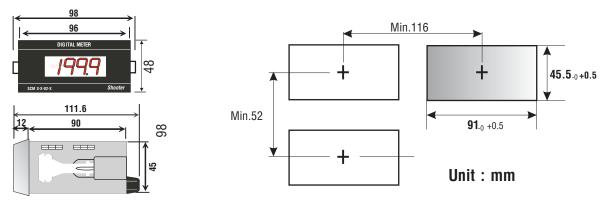


DIGITAL SCALING METER



Panel cut -out





DIGITAL SCALING METER

■ Features

- Indicating 1999.
- AUTO ZERO . Available BCD output
- HOLD function

Input : DC 4 to 20 mA , with relay output Display 0 -1999

- DIN size of W96 x H48.
- Diverse models of indicator, single preset,





Model	SCM D-02	1-Ru-B3	SCM D-02 -1-R0-B4		
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			
Sampling control	300mS				
Operating method	Dual slope A/D conversion				
Response time	2sec (0 to Max)				
Max, input	30 mA(15 VDC)				
Sampling time	2,5 Operation/sec				
Power consumption			250VAC 1A 1C		

■ Characteristic

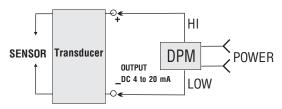
In	sulation Resistance	100M Min. (At 500VDC) between power input terminal and control output terminal		
In	npulse voltage	2000VAC 50/60Hz for 1 minute between power input terminal and control output terminal		
Noise		The square wave noise (pulse width :1 µs) by the noise simulator±300V	The square wave noise (pulse width1 $\mu \! s$) 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		
Vibra	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 ² (30G) in X, Y, Z directions for 3 times		
She	Malfunction durability	100m/S ² (10G) in X, Y, Z directions for 3 times		
Ambient operting temperature		0 to 50°C		
Ambient storage temperature		-25 to 65 °C (at non-freezing status)		
Α	mbient humidity	35 to 85% RH		
Weight		SCM D 02Ru-B4: About 170g		



DIGITAL SCALING METER

■ Block Diagram

How to measure DC



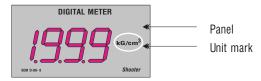
- * When measuring input 4 to 20 mA.(Max 30 VDC)
- *F.S measuring display is 1999xx

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 ³ 10 ² 10 ¹ 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

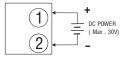
- Take care of insulation because it is not insulated between signal input line and power line.
- Be sure to supply the power after checking polarity of the power.
- If polarity of the power is connected in the opposite direction, the inner circuit can be damaged.
- Take care of direction of the connector 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.

How to use the Panel meter correctly

the double setting value of double preset meter must be set LOW.

(When LOW > HI, the Panel meter is caused error.)

Please check the ordering information before purchasing the panel meter, because there are insulation type of BCD output meter and that of non-insulation type of BCD output meter. Insulation type of BCD output meter must be supplied DC power at the external, because it is built-in photo coupler.



The terminal of BCD output meter is made of a connector type.

(Connector cable can not be supplied)

• Terminal Conection

