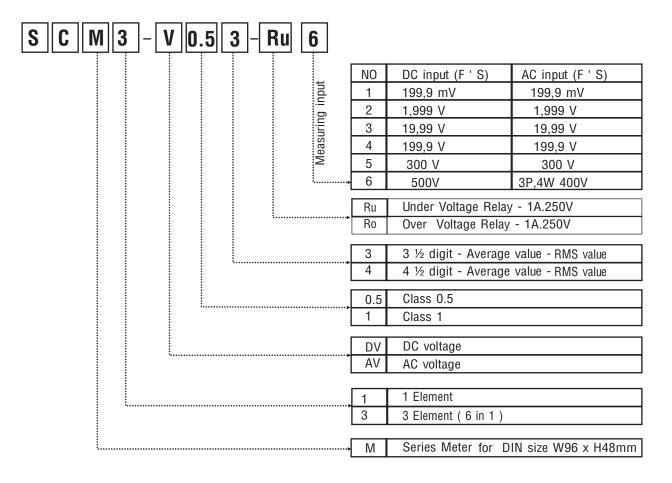
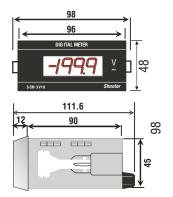


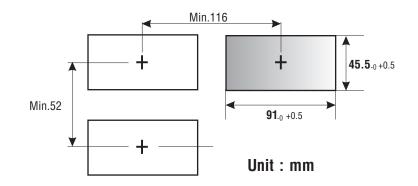


Ordering information



Panel cut -out







Shooter

MEASUREMENT

- Indicating 1999.
- AUTO ZERO and HOLD function.
- Available average measuring value for sine wave value/measuring value for root mean square for AC voltage.
- DIN size of W96 x H48.
- Diverse models of indicator, single preset, double preset.
- Available BCD output.

Rating

Model	SCM1DV05 -4-X	SCM -1DV-X-X SCM -1DV-X-X	SCM -1DV-05-3 Ru 4 SCM -1DV-01-3 Ro 5			
Measuring	DC voltage	DC voltage DC, AC voltage				
Power supply	5VDC	* 5VDC * 24 to 70VDC 100 to 240VAC/VDC 50/60Hz	c * 24 to 70VDC * 100 to 240VAC/VDC 50/60Hz 100/220 VAC 50/60Hz			
Operating voltage range	90 to 110% rated voltage					
Power consumption	DC : 2W	DC : 2W, AC : 4VA DC : 2W, AC : 5VA				
Display method	7 Segment LED Display					
Indicating accuracy	F.S ±0,2% rdg. ±1digit	DC : F ± 0,2% rdg. ± 1digit AC : F ± 0,5% 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%					
Sampling time	2,50peration/sec					
Power consumption				250VAC 1A 1C	250VAC 1A 1C x 2	

(*) mark in power spec. Is option.

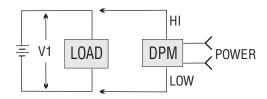
Characteristic

In	sulation Resistance	100M Min. (At 500VDC) between power input terminal and control output terminal				
-	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				
ration	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				
ock	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				
	mbient operting mperature	0 to 50 ^o C	0			
Ambient storage temperature		-25 to 65 °C (at non-freezing status)				
Ambient humidity		35 to 85% RH				
Weight		MS : About 52g	SCM : About 170g SCM1DV:About 343gSCM-6AV : About 434g SCM-3AV :About 450g			

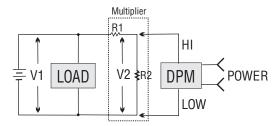


Features

• How to measure DC voltage



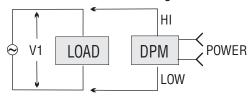
(When measuring voltage (V1) is lower than 300VDC)



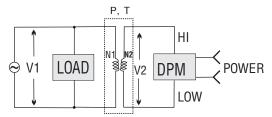
(When measuring voltage (V1) is higher than 300VDC)

* When measuring voltage (V1) is higher than 300VDC be sure to connect the multiplier (R1, R2) to be applied voltage (V2) lower than Max. Measuring voltage.

• How to measure DC voltage



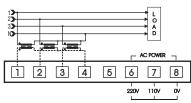
(When mesuring voltage (V1) is lower than 400VAC)



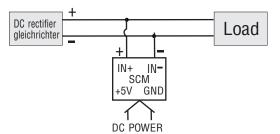
(When measuring voltage (V1) is higher than 400VAC)

* When measuring voltage (V1) is higher than 400VAC be sure to connect the potential transformer (P, T). * V2 must be lower than Max. Measuring voltage.

■ How to measure AC Voltage 3P,4W - 450 VAC



1) Block diagram



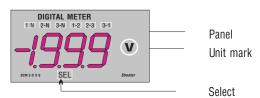
* When serial SCM meters are installed, be sure to connect the power as one adopter (SP-0305) per one meter, because the meter is not insulated between input circuit and power circuit

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	$\begin{bmatrix} 10^{3} \\ 10^{2} \\ 10^{1} \end{bmatrix}$ Setection terminals of dicimal point. - Common terminal of dicimal point. $\begin{bmatrix} 10^{3} 10^{2} & 10^{1} \\ 1.9.9.9.9 \end{bmatrix}$	
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.