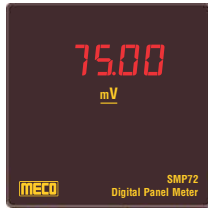
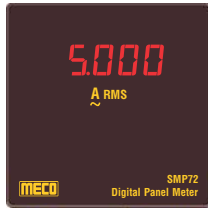




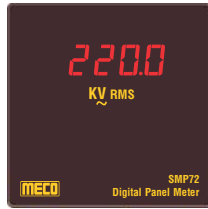
Micro
Controller
Based



SMP72 - DC



SMP72 - AC



SMP72 - AC



SMP48 - DC



SMP48 - AC

Features

- High Accuracy Across the Entire Range
- User Programmable Display (CT Primary / PTR / Shunt Value)
- 9999 Count (Max) High Resolution Display
- Auto Selection of Decimal Point

Specifications

- | | | | |
|---------------------------------|--|-----------------------------------|--|
| ● Measuring Method | TRMS Using Microcontroller | ● VA Burden (Typical) | Auxiliary : $\leq 1.5VA$
Voltage Input : $\leq 1.0VA$
Current Input : $\leq 1.0VA$ |
| ● Display Type | 0.56" / 14.2mm Red LED Super Bright Display | ● Environmental Conditions | 0°C to + 55°C, < 70% RH (Operation)
-10°C to + 70°C, < 70% RH (Storage)
27°C \pm 5°C (Calibration) |
| ● Maximum Display | 4 Digit / 9999 (Max.) Counts | ● Dielectric Strength | 2.5KV @ 50Hz for 1 minute between Input - Auxiliary & Case -Terminals |
| ● Display Stability | Within ± 1 Digit | ● Impulse Withstand | 3.5KV, 1.2 / 50 micro second |
| ● Resolution | 0.001 to 1 Count Depending on Range / Scale Display | ● Case / Housing Material | Polycarbonate, Black |
| ● Over Range Indication | " Or " | ● Faceplate / Lens | Polycarbonate Transparent Red |
| ● Under Range Indication | NA | ● Connectors / Terminal | Nylon 66, 33% GF, Black / Brass |
| ● Sampling Rate | 3 Samples / Second | ● Mounting Clamps | Sturdy, Moulded Derlin with Suitable Hardware |
| ● Maximum Overload | Voltage : 1.2 Times Continuous
Current : 1.5 Times Continuous | | |
| ● Frequency Response | 40 - 400Hz | | |

Model	Input	Range (Any One Only)	Programmable Display Key	Aux Supply (Any One Only)	Accuracy	
SMP72 / SMP48 / SMP96	DC	mV	0 - 75 (Shunt Operated)	✓[*]	85 - 265V AC / DC @ 50 / 60Hz OR 48V DC	$\pm 0.5\%$ of FSD
			0 - 200	-		
		V	0 - 20, 200, 1000	-		
		mA	0 - 2, 20, 200	-		
	AC	A	0 - 2, 5A	-		
			0 - 20 (Direct)	-		
		V	0 - 110 (PT Operated)	✓[#]		
			0 - 20, 200, 750	-		
		A	0 - 1 (CT Operated)	✓[*]		
			0 - 5 (CT Operated)	✓[*]		
0 - 20 (Direct)	-					

Standard : As per IS 13875

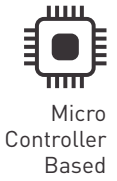
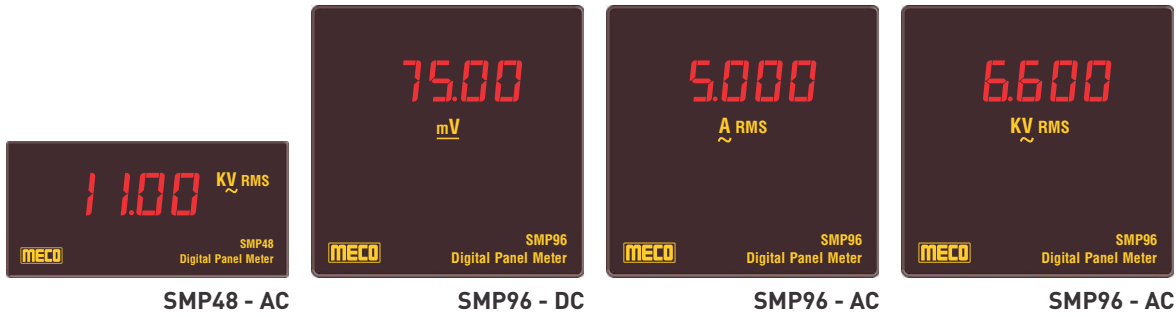
Terminal Connection

AUX 85-265V AC/DC		INPUT	
P	N	LO	HI
1	2	3	4

SMP72

INPUT		AUX 85-265V AC/DC	
HI	LO	N	P
1	2	3	4

SMP48 / SMP96



User Programmable PTR Display Value (Using Key)

Sr.	Ratio	PTR (KV AC)
1	1	0.110
2	3.77	0.415
3	4	0.440
4	20	2.200

Sr.	Ratio	PTR (KV AC)
5	30	3.300
6	60	6.600
7	100	11.00
8	200	22.00

Sr.	Ratio	PTR (KV AC)
9	300	33.00
10	600	66.00
11	1000	110.0
12	1200	132.0

Sr.	Ratio	PTR (KV AC)
13	2000	220.0
14	4000	440.0
-	-	-
-	-	-

*** User Programmable CT Primary / Shunt Display Value (Using Key)**

CT Primary / Shunt Display Value								
1	25	70	150	350	700	1500	4000	8000
5	30	75	175	400	750	1600	5000	9000
10	40	80	200	450	800	2000	6000	-
15	50	100	250	500	1000	2500	7000	-
20	60	125	300	600	1200	3000	7500	-

Dimensions (mm)			
Model	SMP72	SMP48	SMP96
Front	72 x 72	48 x 96	96 x 96
Depth (Behind Bezel)	43	58	39.5
Panel Cut-Out	68 x 68	44 ^(+0.5, -0.0) x 92 ^(+0.8, -0.0)	92 ^(+0.8, -0.0) x 92 ^(+0.8, -0.0)

Ordering Information : Model, Input Range, Aux. Supply & Scale Display (CTR / PTR / Shunt Value)

For Setting CTP / Shunt / PTR

- Power on DPM
- Press Key On Back Side of Meter
- Meter will Show Present Set Display Value
- Press-Release until the Desired Value is Displayed