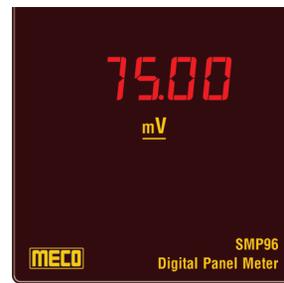




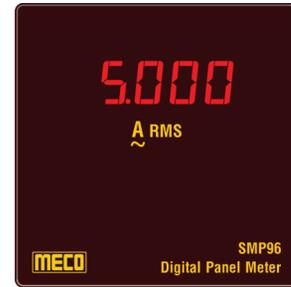
**SMP48 - DC**



**SMP48 - AC**



**SMP96 - DC**



**SMP96 - AC**

**Features**

- High Accuracy Across the Entire Range
- User Programmable Display (Primary CT / Shunt Value)

**Specifications**

- **Measuring Method** TRMS Using Microcontroller
- **Display Type** Red LED Super Bright Display
- **Maximum Display** 4 Digit / 9999 Counts
- **Resolution** 0.001 to 1 Count Depending on Range / Scale Display
- **Decimal Point** Auto Selection
- **Over Range Indication** " Or "
- **Under Range Indication** NA
- **Sampling Rate** 3 Samples / Second
- **Maximum Overload** Voltage : 1.2 Times Continuous  
Current : 1.5 Times Continuous
- **Mounting Clamps** Sturdy, Moulded Derlin with Suitable Hardware
- **Frequency Response** 40 - 400Hz

- 9999 Count (Max) High Resolution Display
- Auto Selection of Decimal Point

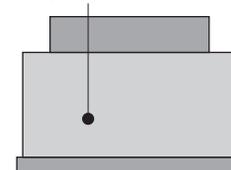
- **Auxiliary Supply** 230V AC  $\pm 20\%$  @ 50 / 60Hz
- **VA Burden (Typical)** Auxiliary :  $\leq 2.5VA$   
Voltage Input :  $\leq 0.6VA$   
Current Input :  $\leq 0.5VA$
- **Environmental Conditions** 0°C to +55°C, < 70% RH (Operation)  
-10°C to +70°C, < 70% RH (Storage)  
27°C  $\pm 5^\circ C$  (Calibration)
- **Dielectric Strength** 2.5KV @ 50Hz for 1 minute between Input - Auxiliary & Case -Terminals
- **Impulse Withstand** 3.5KV, 1.2 / 50 micro second
- **Case / Housing Material** Polycarbonate, Black
- **Faceplate / Lens** Polycarbonate Transparent Red
- **Connectors / Terminal** Nylon 66, 33% GF, Black / Brass
- **Display Stability** Within  $\pm 1$  Digit

MODEL	INPUT		RANGE (ANY ONE ONLY)	PROGRAMMABLE DISPLAY KEY	AUX SUPPLY	ACCURACY	DIGITS (Max.)		DIGIT HEIGHT	
							3	4		
SMP48 / SMP96	DC	mV	0 - 50	✓	230V AC $\pm 20\%$ @ 50 / 60Hz	$\pm 0.5\%$ of FSD	-	✓	✓	
			0 - 60	✓			-	✓	✓	
			0 - 75	✓			-	✓	✓	
			0 - 100	✓			-	✓	✓	
			0 - 150	✓			-	✓	✓	
			0 - 200	✓			-	✓	✓	
	AC	V	0 - 20, 200, 1000	-			-	✓	✓	
			0 - 2, 20, 200	-			-	✓	✓	
		mA	0 - 2, 5	-			-	✓	✓	
			0 - 20	-			-	✓	✓	
		V	0 - 200, 750	-			-	✓(750V)	✓(200V)	✓
			0 - 1, 5	✓			-	-	✓	✓

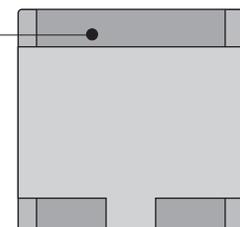
**User Programmable Display (Using Programmable Display Key)**

CT / Shunt Primary 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	-

**Programmable Display Key**



**Bottom Side of Meter**



**Back Side of Meter**

**Ordering Information : Model, Input & Range**

Terminal Connection		AC AUX 230V $\pm 20\%$			
INPUT		AC AUX		230V $\pm 20\%$	
HI	LO	N	P		
1	2	3	4		

**SMP48**

Terminal Connection		AC AUX 230V $\pm 20\%$			
INPUT		AC AUX		230V $\pm 20\%$	
HI	LO	N	P		
1	2	3	4		

**SMP96**

Dimensions (mm)		
Model	SMP48	SMP96
Front	48 x 96	96 x 96
Depth (Behind Bezel)	58	39.5
Panel Cut-Out	44 <sup>(+0.5, -0.0)</sup> x 92 <sup>(+0.8, -0.0)</sup>	92 <sup>(+0.8, -0.0)</sup> x 92 <sup>(+0.8, -0.0)</sup>