



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 (Max.) 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 ± 1 Digit

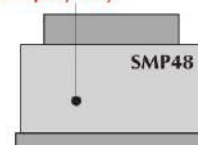
MODEL	INPUT	RANGE (ANY ONE ONLY)	PROGRAMMABLE DISPLAY KEY	AUX SUPPLY	ACCURACY	DIGITS (Max.)		DIGIT HEIGHT		
						3	4			
SMP48 / SMP96	DC	mV	0 - 50	✓	230V AC $\pm 20\%$ @ 50 / 60Hz	$\pm 0.5\%$ of FSD	-	✓	✓	
			0 - 60	✓			-	✓	✓	
			0 - 75	✓			-	✓	✓	
			0 - 100	✓			-	✓	✓	
			0 - 150	✓			-	✓	✓	
			0 - 200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

User Programmable Display (Using Key)

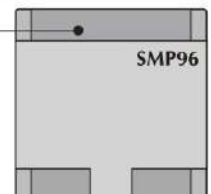
CT / Shunt Primary Value										
1	20	50	80	175	350	600	1000	2000	5000	8000
5	25	60	100	200	400	700	1200	2500	6000	9000
10	30	70	125	250	450	750	1500	3000	7000	-
15	40	75	150	300	500	800	1600	4000	7500	-

Ordering Information : Model, Input & Range, 3 Digits / 4 Digits for 750V AC Voltmeter

Programmable Display Key



Bottom Side of Meter



Back Side of Meter

Terminal Connection

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

SMP48 / SMP96

Dimensions (mm)

Model	SMP48	SMP96	SMP48 (20A AC)	SMP96 (20A AC)
Front	48 x 96	96 x 96	48 x 96	96 x 96
Depth (Behind Bezel)	58	39.5	88	90
Panel Cut-Out	44 ^(+0.5, -0.0) x 92 ^(+0.8, -0.0)	92 ^(+0.8, -0.0) x 92 ^(+0.8, -0.0)	44 ^(+0.5, -0.0) x 92 ^(+0.8, -0.0)	92 ^(+0.8, -0.0) x 92 ^(+0.8, -0.0)