

SMP35SW



SMP9635SW

**Features**

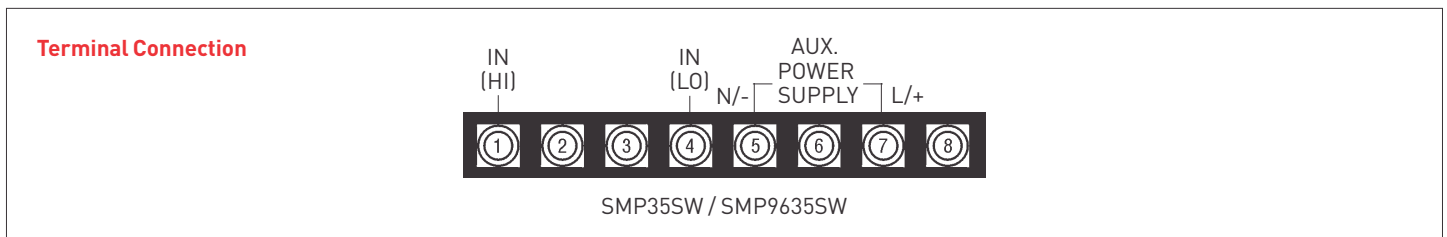
- High Accuracy Across the Entire Range
- User Programmable Display (CT Primary / PTR / Shunt Value)
- 9999 Count (Max) High Resolution Display
- Auto Selection of Decimal Point

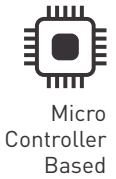
**Specifications**

- **Measuring Method** TRMS Using Microcontroller
- **Display Type** 0.56" / 14.2 mm Red LED Super Bright Display
- **Maximum Display** 4 Digit / 9999 (Max.) Counts
- **Display Stability** Within  $\pm 2$  Digit
- **Resolution** 0.001 to 1 Count Depending on Range / Scale Display
- **Decimal Point** Auto Selection
- **Over Range Indication** " Or "
- **Under Range Indication** NA
- **Maximum Overload** Voltage : 1.2 Times Continuous  
Current : 1.5 Times Continuous
- **VA Burden (Typical)** Auxiliary :  $\leq 1.5VA$   
Voltage Input :  $\leq 1.0VA$   
Current Input :  $\leq 1.0VA$
- **Frequency Response** 40 - 400Hz
- **Sampling Rate** 3 Samples / Second
- **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** DIN Black ABS, Dimension as per DIN 43700
- **Faceplate / Lens** Red Antiglare Face Plate with Annunciators
- **Mounting Clamps** Sturdy, Moulded ABS with Suitable Hardware
- **Connectors / Terminal** Terminal Block : Thermoplastic (UL94V-0) with Tin Plated Brass Terminal

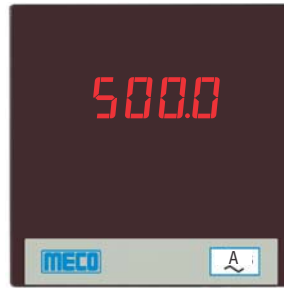
Model	Input	Range (Any One Only)	Programmable Display Key Inside Facia	Aux Supply (Any One Only)	Accuracy	
SMP35SW / SMP9635SW	DC	mV	0 - 75 (Shunt Operated )	✓[*]	85 -265V AC/DC @50/60Hz OR 19-90V AC/DC @50/60Hz (Optional)	$\pm 0.5\%$ of FSD
			0 - 200	-		
		V	0 - 2, 20, 200	-		
			0 - 1000	-		
		mA	0 - 2, 20 , 200	-		
	A	0 - 2, 5, 20	-			
	Re-Scaleable	4 - 20mA, 0 - 20mA, 0 - 10V	✓			
	AC	V	0 - 110 (PTR Operated)	✓[#]		
			0 - 2, 20, 200, 750	-		
		A	0 - 1 (CT Operated)	✓[*]		
0 - 5 (CT Operated)			✓[*]			
0 - 20 (Direct)			-			

**Standard :** As per IS 13875





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**# User Programmable PTR Display Value (Using Internal Key Inside Facia)**

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 Internal Key Inside Facia)**

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	SMP35SW	SMP9635SW
Front	48 x 96	96 x 96
Depth (Behind Bezel)	88	90
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>

**Ordering Information :** Model, Input, Range, CTR / PTR (if any), Scale Display & Aux. Supply.

**NOTE :** This is an Upgraded Version of SMP35S

KEY

KEY

**For Setting CTP / Shunt / PTR**

- Power on DPM
- Remove Front Facia
- Press Key on Display Card once
- Meter will Show Present Set Display Value
- Press-Release until the Desired Value is Displayed

For Setting Please Refer Instruction Manual  
For Range Input 4-20mA DC / 0-20mA DC / 0-10V DC