



Micro
Controller
Based



SMP35ASN - Ammeter



SMP35VSN - Voltmeter



SMP9635ASN - Ammeter



SMP9635VSN - Voltmeter

Features

- 1A / 5A Input in same Meter (User Selectable)
- High Accuracy Across the Entire Range
- 9999 Count High Resolution Display
- Aux. Power Supply : 85 - 265V AC / DC
- Aux. Power Supply : 19 - 90V AC / DC (Optional)
- Auto / Manual Scroll Display (User Selectable)
- 3P3W / 3P4W (User Selectable)
- LED Indication for R, Y, B, RY, YB, BR
- User Programmable Display / CTP / PTR
- Auto Selection of Decimal Point
- Auto Indication of KV & KA
- Setup / Programming Protected by Password

Specifications

- **Measuring Method** TRMS using Microcontroller
- **Display Type** 0.56" / 14.2mm Red LED Super Bright Display
- **Maximum Display** 4 Digit / 9999 Counts
- **Display Stability** Within ± 2 Digits
- **Overload / Underload** - OL - / - UL - Indication
- **Resolution** 0.001 to 1 Count Depending on Range
- **Sampling Rate** 3 Samples / Second
- **Maximum Overload** Voltage : 1.2 times continuous
Current : 2 times continuous
- **VA Burden (Typical)** Auxiliary : ≤ 2VA / Phase
Voltage Input : ≤ 1.0VA / Phase
Current Input : ≤ 1.0VA / Phase
- **Frequency Response** 45 - 65Hz
- **Environmental Conditions** 0 to 55°C, < 70% RH (Operation)
-10 to 70°C, < 70% RH (Storage)
27°C ± 5 °C (Calibration)
- **Dielectric Strength** 2.5 kV at 50Hz for 1 min. between Input - Auxiliary & Case - Terminals
- **Impulse Withstand** 3.5kV, 1.2 / 50µs
- **Case / Housing Material** Black ABS, Dimension as per DIN 43700
- **Connectors** Terminal Block : Thermoplastic (UL 94V-0) with Tin Plated Brass Terminals
- **Faceplate / Lens** Red Antiglare Faceplate with Annunciators
- **Mounting Clamps** Sturdy, Derline (Engineering plastic)

Model	Input AC	Range (Any One Only)	Programmable Display / CTP / PTR	Aux. Power Supply (Any One Only)	Accuracy
SMP35VSN SMP9635VSN	V	51 - 300V AC (PH-N)	1 - 9999	85-265V AC/DC OR 19-90V AC/DC (Optional)	± (0.5% FSD + 2 Digits)
SMP35ASN SMP9635ASN	A	For 1A Range : 0.080 - 1.200A AC For 5A Range : 0.200 - 6.000A AC	1 - 9999 5 - 9999		

Dimensions (mm)		
Model	SMP35VSN / SMP35ASN	SMP9635VSN / SMP9635ASN
Front	48 x 96	96 x 96
Depth (Behind Bezel)	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)

Ordering Information : Model and Aux. Supply.

Standard : As per IS 13875

