



SMP35S, SMP35ST



SMP9635S, SMP9635ST



SMPTC  
*Introducing Soon* SMPTCS



SMP96TC  
*Introducing Soon* SMP96TCS

### Specifications

- **Measuring Method** Dual Slope A/D Conversion
- **Sampling Rate** 2.5 Samples per Second
- **Display Type** Red LED Super Bright Display
- **Maximum Display** 1999 Counts
- **Resolution** 0.001 to 1 Count depending on range
- **Polarity Indication** “ - ” is indicated for Negative Input. "LED ON" for SMPTC. SMP96TC, SMPTCS & SMP96TCS
- **Decimal Selection** Field Selectable
- **Over Range Indication** “ 1 ” or “ -1 ”
- **Maximum Overload** Voltage : 1.2 times continuous  
Current : 2 times continuous
- **Frequency Response** 40 - 400Hz
- **Faceplate / Lens** Red Antiglare Faceplate with Annunciators
- **Crest Factor** 4 (max.) TRMS accuracy specified for Sine wave input
- **Environment** Calibration : 27°C ± 5°C,  
Operating : 0 to 50°C, RH < 70%  
Storage : -10 to 60°C, RH < 70%
- **VA Burden (Typical)** Auxiliary (110 / 230V AC) : < 5VA  
Auxiliary (SMPS) : < 2.5VA  
Voltage Input : < 0.1VA  
Current Input : < 0.5VA, < 0.2VA in 20A
- **Dielectric Strength** 2.5 kV at 50Hz for 1 min. between Input - Auxiliary - Case - Terminals
- **Case / Housing Material** DIN Black ABS, Dimension as per DIN 43700
- **Mounting Clamps** Sturdy, Moulded ABS with suitable Hardware
- **Connectors** Terminal Block : Thermoplastic (UL 94V-0) with Tin Plated Brass Terminals

Model	Input	Range	Auxiliary Power Supply (any one only)			Accuracy Class				Digits (max.)		Display Digit Height	
			110 / 230V AC	SMPS-LV 19-90V AC/DC	SMPS-HV 85-265V AC/DC	0.1	0.2	0.5	1	2	3½	0.56"/ 14.2mm\	
SMP35S / SMP9635S	DC	mV	0 - 200mV	✓	✓	✓	✓	-	-	-	-	✓	✓
		V	0 - 2, 20, 200V	✓	✓	✓	✓	-	-	-	-	✓	✓
		V	0 - 1000V	✓	✓	✓	-	-	✓	-	-	✓	✓
		mA	0 - 2, 20, 200mA	✓	✓	✓	-	✓	-	-	-	✓	✓
		A	0 - 2, 5, 20A	✓	✓	✓	-	-	✓	-	-	✓	✓
		Zero Supp.	4-20mA or 1 - 5V	✓	✓	✓	-	✓	-	-	-	✓	✓
		Re-Scaleable	0 - 50 / 60 / 75mV, 4-20mA (any one) to display 100 to 1600 in 64 steps. Please suffix these models with RS as SMP35SRS or SMP9635SRS	✓	✓	✓	-	✓	-	-	-	✓	✓
SMP35S / SMP9635S	AC	V	0 - 2, 20, 200, 750V	✓	✓	✓	-	-	✓	-	-	✓	✓
		A	0 - 2, 5A	✓	✓	✓	-	-	✓	-	-	✓	✓
		A	0 - 20A	✓	✓	✓	-	-	-	✓	-	✓	✓
		Re-Scaleable	0 - 1A or 0 - 5A (any one) to display 100 to 1600 in 64 steps. Please suffix models with RS as SMP35SRS or SMP9635SRS	✓	✓	✓	-	-	✓	-	-	✓	✓
SMP35ST / SMP9635ST	TRMS	V	0 - 2, 20, 200, 750V	✓	✓	✓	-	-	-	✓	-	✓	✓
		A	0 - 2, 5A	✓	✓	✓	-	-	-	✓	-	✓	✓
		A	0 - 20A	✓	✓	✓	-	-	-	✓	-	✓	✓