



SMP45S, SMP45ST



SMP9645S
SMP9645ST



SMP72x14445,
SMP72x14445T

Specifications

- | | |
|---|---|
| <ul style="list-style-type: none"> ● Measuring Method Dual Slope A/D Conversion ● Sampling Rate 2.5 Samples per Second ● Display Type Red LED Super Bright Display ● Maximum Display 19999 Counts ● Resolution 0.0001 to 1 Count depending on the range ● Polarity Indication “ - ” is indicated for negative input ● Decimal Selection Field Selectable ● Over Range Indication "0000" blinking ● Maximum Overload Voltage : 1.2 times continuous
Current : 2 times continuous ● VA Burden (Typical) Auxiliary (110 / 230V AC) : < 5VA
Auxiliary (SMPS) : < 2.5VA
Voltage Input : < 0.1VA
Current Input : < 0.5VA, < 0.2VA in 20A ● Frequency Response 40 - 400Hz | <ul style="list-style-type: none"> ● Crest Factor 4 (max.) TRMS accuracy specified for sine wave input ● Faceplate / Lens Red Antiglare Faceplate with Annunciators ● Environment Calibration : 27°C ± 5°C,
Operating : 0 to 50°C, RH < 70%
Storage : -10 to 60°C, RH < 70% ● 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 ● Note The Meter reads fluctuations in the Input signal within 5 counts (0.025%) |
|---|---|

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			
SMP45S/ SMP9645S	DC	mV	0 - 200mV	✓	✓	✓	-	✓	✓	✓	✓	✓
		V	0 - 2, 20, 200V	✓	✓	✓	-	-	✓	✓	✓	✓
		V	0 - 1000V	✓	✓	✓	-	-	✓	✓	✓	✓
	AC	mA	0 - 2, 20, 200mA	✓	✓	✓	-	-	✓	✓	✓	✓
		A	0 - 2, 5A	✓	✓	✓	-	-	✓	✓	✓	✓
		Zero Supp.	4-20mA or 1 - 5V	✓	✓	✓	-	-	✓	✓	✓	✓
SMP45ST/ SMP9645ST	TRMS	V	0 - 2, 20, 200, 750V	✓	✓	✓	-	-	-	✓	✓	✓
		A	0 - 2, 5A	✓	✓	✓	-	-	-	✓	✓	✓

Dimensions (mm)

Model	SMP45S / SMP45ST	SMP9645S / SMP9645ST	SMP72x14445 / SMP72x14445T	SMP14445 / SMP14445T	SMP96x28845
Front	48 x 96	96 x 96	72 x 144	144 x 144	96 x 288
Depth (Behind Bezel)	88	90	130 (standard) 93 (introducing soon)	59	77
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)	68 ^(+0.8, -0.0) x 138 ^(+0.8, -0.0)	138 ^(+0.8, -0.0) x 138 ^(+0.8, -0.0)	92 ^(+0.8, -0.0) x 282 ^(+0.8, -0.0)



4½ Digit Digital Ammeter and Voltmeter



SMP14445, SMP14445T

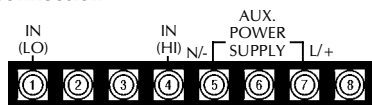


SMP96x28845

Model	Input		Range	Auxiliary Power Supply (any one only)		Accuracy Class			Digits (max.)	Display Digit Height	
				110 / 230V AC	24 / 48 / 110 / 220V DC	0.2	0.5	1	4½	1.0" / 25.4mm	2.3" / 58mm
SMP72x14445 / SMP14445	DC	mV	0-200mV	✓	✓	✓	✓	✓	✓	✓	-
		V	0-2, 20, 200V	✓	✓	✓	✓	✓	✓	✓	-
		V	0-1000V	✓	✓	✓	✓	✓	✓	✓	-
		mA	0-2, 20, 200mA	✓	✓	✓	✓	✓	✓	✓	-
		A	0-2, 5A	✓	✓	✓	✓	✓	✓	✓	-
		Zero Supp.	4-20mA or 1-5V	✓	✓	✓	✓	✓	✓	✓	-
	AC	V	0-2, 20, 200, 750V	✓	✓	-	✓	✓	✓	✓	-
		A	0-2, 5A	✓	✓	-	✓	✓	✓	✓	-
SMP72x14445T / SMP14445T	TRMS	V	0-2, 20, 200, 750V	✓	✓	-	-	✓	✓	✓	-
		A	0-2, 5A	✓	✓	-	-	✓	✓	✓	-
SMP96x28845	DC	mV	0-200mV	✓	SMPS-LV 19-90V AC/DC	-	✓	✓	✓	-	✓
		V	0-2, 20, 200V	✓		-	✓	✓	✓	-	✓
		V	0-1000V	✓		-	✓	✓	✓	-	✓
		mA	0-2, 20, 200mA	✓	or	-	✓	✓	✓	-	✓
		A	0-2, 5A	✓	SMPS-HV 85-265V AC/DC	-	✓	✓	✓	-	✓
		Zero Supp.	4-20mA or 1-5V	✓		-	✓	✓	✓	-	✓
	AC	V	0-2, 20, 200, 750V	✓	only	-	✓	✓	✓	-	✓
		A	0-2, 5A	✓		-	✓	✓	✓	-	✓

Ordering Information : Model, Input Range, CTR / PTR (if any), Scale Display, Auxillary Supply, Accuracy Class & Display Digit Height

Terminal Connection



SMP45S / SMP9645S /
SMP45ST / SMP9645ST



SMP72x14445 / SMP72x14445T



SMP14445 / SMP14445T



SMP96x28845