



Specifications

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| <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 ● Display Stability Within ± 2 Digits |
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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	0.5	1				
SMP45S / SMP9645S (Data Hold - Optional)	DC	mV	0 - 200mV	✓	✓	Under development, Please inquire with sales@mecoinst.com	✓	✓	✓	✓	
		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	✓	✓		✓	✓	✓	✓	✓
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 93 (SMP72x14445S)	59 72 (SMP14445S)	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)

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SMP14445S, SMP14445ST



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	0.5	1		1.0" / 25.4mm	2.3" / 58mm
SMP72x14445S/ (Data Hold - Optional), 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/ SMP72x14445ST/ SMP14445T	TRMS	V	0-2, 20, 200, 750V	✓	✓	-	✓	✓	✓	-
		A	0-2, 5A	✓	✓	-	✓	✓	✓	-
SMP96x28845S (Data Hold - Optional)	DC	mV	0-200mV	✓	SMPS-LV 19-90V AC/DC or SMPS-HV 85-265V AC/DC only	✓	✓	✓	-	✓
		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	✓	✓	✓	✓	✓	✓	-

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

Terminal Connection



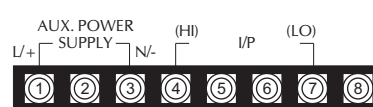
SMP45S / SMP9645S /
SMP45ST / SMP9645ST



SMP72x14445 / SMP72x14445S / SMP72x14445ST
SMP72x14445T



SMP14445 / SMP14445S / SMP14445T / SMP14445ST



SMP96x28845