

# Double Voltmeter and Double Frequency Meter



FDM963ASD



SMP9635SD



SMP14445D



FDM1444AD, FDM1444BD

## Specifications

Measuring Method	Dual Slope A/D Conversion (Voltmeter) Interval Measurement Method using Microcontroller (Frequency Meter)	Case / Housing Material	DIN Black ABS, Dimension as per DIN 43700
Display Type	Red LED Super Bright Display	VA Burden (Typical) Per Display	Auxiliary : < 5VA Voltage Input : < 0.1VA Current Input : < 0.5VA
Maximum Display	19999 Counts (Voltmeter) 9999 Counts (Frequency Meter)	Environment	Calibration : 27°C – 5°C, Operating : 0 to 50°C, RH < 70% Storage : -10 to 60°C, RH < 70%
Maximum Overload	Voltage : 1.2 times continuous Current : 2 times continuous	Mounting Clamps	Sturdy, Moulded ABS with suitable Hardware
Dielectric Strength	2.5 kV at 50Hz for 1 min. between Input - Auxiliary Case - Terminals	Connectors	Terminal Block : Thermoplastic (UL 94V-0) with Tin Plated Brass Terminals
Frequency Response	40 - 400Hz (Voltmeter)		
Faceplate / Lens	Red Antiglare Faceplate with Annunciators		

	Input 1 Input 2	Range	Auxiliary Power Supply (any one only)				Accuracy Class			Digits (max.)		Display Digit Height		
			110 / 230V AC	24 / 48 / 110 / 220V DC	SMPS-LV 19-90V AC/DC	SMPS-HV 85-265V AC/DC	0.2	0.5	1	3%	4%	0.56"/ 14.2mm	1.0"/ 25.4mm	
SMP14445D	DC	Zero Supp.	4-20mA or 1 - 5V	ü	ü	-	-	ü	ü	ü	-	ü	-	ü
	AC	V	0 - 20, 200, 750V	ü	ü	-	-	-	ü	ü	-	ü	-	ü
		I	0 - 2, 5A::	ü	ü	-	-	-	ü	ü	-	ü	-	ü
SMP9635SD	AC	V	0 - 2, 20, 200, 750V	ü	-	ü	ü	-	ü	ü	ü	-	ü	-
		I	0 - 2, 5, 20A	ü	-	ü	ü	-	ü	ü	ü	-	ü	-
	DC	Zero Supp.	4-20mA or 1 - 5V	ü	-	ü	ü	ü	ü	ü	ü	-	ü	-
	I	0 - 2, 5, 20A	ü	-	ü	ü	-	ü	ü	ü	-	ü	-	

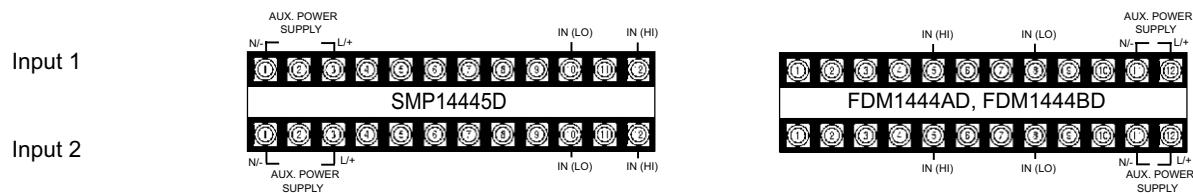
Model	Input 1 Input 2	Auxiliary Power Supply (any one only)				Accuracy Class	Digits (max.)	Display Digit Height	
		110 / 230V AC	24 / 48 / 110 / 220V DC	Self Powered	-0.05 Hz	4 Digit	0.56" / 14.20mm	1.0" / 25.4mm	
FDM1444AD	40 - 99.99Hz 20 - 500V AC	ü	-	ü	ü	ü	-	ü	
FDM1444BD		-	ü	-	ü	ü	-	ü	
FDM963ASD		ü	-	ü	ü	ü	ü	-	

## Dimensions (mm)

Model	SMP9635SD	FDM963ASD	SMP14445D	FDM1444AD FDM1444BD
Front	96 x 96	96 x 96	144 x 144	144 x 144
Depth (Behind Bezel)	90	90	130	130
Panel Cut-Out	92 <sup>(+0.8, -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>	138 <sup>(+0.8, -0.0)</sup> x 138 <sup>(+0.8, -0.0)</sup>	138 <sup>(+0.8, -0.0)</sup> x 138 <sup>(+0.8, -0.0)</sup>

**Ordering Information :** Model, (Voltmeter/Ammeter): Input Range, PTR/CTR (if any), Scale Display, Auxillary Supply & Accuracy Class (Frequency Meter) Input Frequency Range, Input Voltage, PTR (if any), Auxillary Supply & Accuracy Class

## Terminal Connection



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