



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

Model	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	SMP5-LV 19-90V AC/DC	SMP5-HV 85-265V AC/DC	0.2	0.5	1	3½	4½	0.56"/ 14.2mm	1.0"/ 25.4mm
SMP14445D	DC	Zero Supp.	4-20mA or 1 - 5V	✓	✓	-	-	✓	✓	✓	-	✓	-	✓
	AC	V	0 - 20, 200, 750V	✓	✓	-	-	-	✓	✓	-	✓	-	✓
SMP9635SD	AC	I	0 - 2, 5A::	✓	✓	-	-	-	✓	✓	-	✓	-	✓
		V	0 - 2, 20, 200, 750V	✓	-	✓	✓	-	✓	✓	✓	-	✓	-
	DC	Zero Supp.	4-20mA or 1 - 5V	✓	-	✓	✓	✓	✓	✓	✓	-	✓	-
		I	0 - 2, 5, 20A	✓	-	✓	✓	-	✓	✓	✓	-	✓	-

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			✓	-	✓	✓	-	✓	
FDM1444BD	40 - 99.99Hz	20 - 500V AC	-	✓	-	✓	-	✓	
FDM963ASD			✓	-	✓	✓	✓	-	

### 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

