



RDMF49696D



RDMV459696D



RDMI459696D



RDMI451414D



RDMF401414D



RDMV451414D

**Specifications**

**# Measuring Method** Dual Slope A/D Conversion (Voltmeter / Ammeter) Interval Measurement Method using Microcontroller (Frequency Meter)

**# Display Type** Red, 7 Segment LED super Bright Display

**# Maximum Display** 1999 Counts (Voltmeter / Ammeter) 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

**# V A Burden (Typical) Per Display** Auxiliary : <5VA  
Voltage : <0.1VA  
Current : <0.5VA, <0.2VA in 20A

**# Environment** Calibration : 27°C ± 5°C,  
Operating : 0 to 55°C, RH < 70%  
Storage : -10 to 60°C, RH < 70%

**# Mounting Clamps** Sturdy, Moulded ABS with Hardware

**# Connectors** Terminal Block : Thermoplastic (UL 94V-0) with Tin Plated Brass Terminals

**# Display Stability** Within ± 2 Digits

Model	Input 1 Input 2		Range	Aux. Power Supply (any one only)				Accuracy				Digits (max.)		Display Digit Height	
				110/ 230V AC	24/48/ 110/220V DC	SMPS-LV 19 - 90V AC/DC	SMPS-HV 85 - 256V AC/DC	0.1	0.2	0.5	1	3½	4½	0.56"/ 14.2mm	1.0"/ 25.4mm
RDMV451414D	DC	Zero Supp	1- 5V	√	√	-	-	√	√	√	√	-	√	-	√
	AC	V	0 - 2, 20, 200, 750V	√	√	-	-	-	-	√	√	-	√	-	√
RDMA451414D	AC	I	0 - 2, 5A	√	√	-	-	-	-	√	√	-	√	-	√
	DC	Zero Supp	4 - 20mA	√	√	-	-	√	√	√	√	-	√	-	√
RDMV359696D	DC	Zero Supp	1- 5V	√	-	√	√	√	√	√	√	√	-	√	-
	AC	V	0 - 2, 20, 200, 750V	√	-	√	√	-	-	√	√	√	-	√	-
RDMA359696D	AC	I	0 - 2, 5A, 20A	√	-	√	√	√	-	√	√	√	-	√	-
	DC	Zero Supp	4 - 20mA	√	-	√	√	√	√	√	√	√	-	√	-
		I	0 - 2, 5A, 20A	√	-	√	√	-	√	√	√	√	-	√	-

Model	Input	Aux. 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 Digits
RDMF41414D	40 - 99.99Hz	Please Refer Note	√	√	√	√	-	√
RDMF49696D			√	√	√	√	√	-

**Note** : Input 20 - 500V AC For 110V AC or DC Aux. and Self Powered Input variation is ± 20% of Aux.

**Dimensions (mm)**

Model	RDMV359696D	RDMF49696D	RDMV451414D	RDMF41414D
Front	96 x 96	96 x 96	144 x 144	144 x 144
Depth (Behind Bezel)	110	110	130	130
Panel Cut-Out	92(+0.8,-0.0) x 92(+0.8,-0.0)	92(+0.8,-0.0) x 92(+0.8,-0.0)	138(+0.8,-0.0) x 138(+0.8,-0.0)	138(+0.8,-0.0) x 138(+0.8,-0.0)

**Ordering information** : Model, (Voltmeter / Ammeter) : Input Range, CTR/PTR, Scale Display, Auxiliary Supply & Accuracy Class  
(Frequency Meter) : Model, Input Frequency Range, Input Voltage, Auxiliary Supply & Accuracy Class

**Terminal Connection**

