

# DM3V 3 Phase AC Voltage Digital Meter

AC&M

## ■ FEATURES

- Display values of 3 phase simultaneously
- Swith between 3P3W / 3P4W system
- 4 Alarm setting functions
- Programmable for PT ratio
- With OFFSET adjustment
- Self-testing function with easy operation
- RS-485MODBUS RTU with Max.baudrate 38400



DM3V

Code1	Input Signal	Code2	Alarm Setting	Code3	Output 1	Code4	Output2	Code5	Aux. Power
1	AC 0~440V	1	3 Alarm Setting	1	DC 0~10mA	6	RS 485	3	DC 22~72V
Y	Other	2	4 Alarm Setting	2	DC 0~20mA	0	None	6	AC/DC 85~265V
		0	None	3	DC 4~20mA	Y	Other	Y	Other
				4	DC 0~5V				
				5	DC 1~5V				
				6	DC 0~10V				
				0	None				
				Y	Other				

## SPECIFICATIONS:

### INPUT:

Input Frequency : 45 ~ 70Hz.  
 Input Burden : 0.25VA at 60Hz.  
 Input Over : Normal AC 440V(MAX AC 500V), Voltage Over 600V Continuous. 1200V 10 Sec/Hour

### OUTPUT & DISPLAY:

**DC Current:** 0 – 20 mA DC

**Load resistance drive:** output drive 10 VDC maximum

Output	Load Resistance
0 – 10 mA :	1000 Ω
0 – 20 mA :	500 Ω
4 – 20 mA :	500 Ω

**DC Voltage:** 0 – 10 V DC

**Load resistance drive:** output drive 5 mA maximum

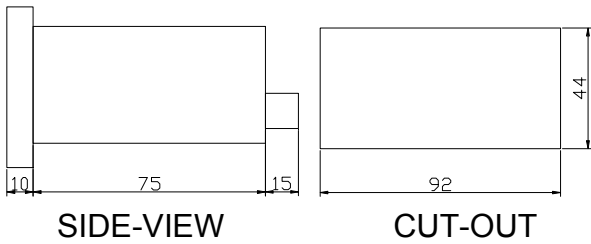
Output	Load Resistance
0 – 5 V :	1 KΩ
1 – 5 V :	1 KΩ
0 – 10 V :	2 KΩ

Output Response Time : ≤ 1 Sec.  
 Output Protection : Without Damage for Output Open or Short Circuit.  
 Digital Output : RS-485 Output, 1200,2400,4800,9600,19200 Baud Rate, User Selectable.  
 Display Range : 0.39" High brightness RED LED , 4 Digits, 9999Counts..

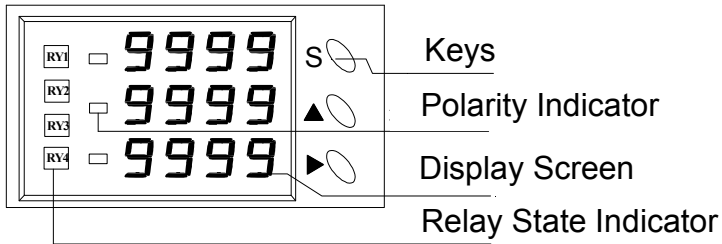
### INSTALLATION & PERFORMANCE:

Accuracy : 0.5%FS+1 Counts. Avg. Typically at 23°C±3°C.  
 Setting Function : 4 Alarm Setting, Setting Function(Hi or Lo) User Selectable.  
 Setting Range : 9999 Counts User Selectable.  
 Dead Band : 0 ~ 9999 Counts User Selectable.  
 Time Delay : 0 ~ 999 Sec. User Selectable.  
 SPDT Capacity : AC 120V 3A,, DC 30V 3A.  
 Dielectric Strength : 2KV AC / Min Between Input / Power / Case.  
 Impulse : 5 KV 1.2x50 uS, ANSI C37.90a / 1983.DIN IEC 255 – 4.  
 Stability : ≤ 0.2%/Year.  
 Temperature Coefficient : ≤ 60ppm / °C From 0 ~ 60°C ; ≤ 50ppm/25°C ±5°C  
 Operating Condition : -10°C ~ +55°C 20 ~ 95% RH Non-Condensed.  
 Storage Condition : -40°C ~ +75°C 20 ~ 95% RH Non-Condensed.  
 Consumed Power : ≤ 3VA, PF = 1  
 Power Supply : AC or DC ±20%, 50 / 60Hz.  
 Outline Dimension : 1/8 DIN 96W X 48H X 100D mm.  
 Mounting : Panel Flush Mounting.

## ■ Size (mm)



## ■ Keys



## ■ Connection Diagram

