

Microprocessor Voltage & Current Meter

MODEL DMVA

Features:

- Applicable Standard: Answer for DIN-IEC 688
- Output/Display/Setting Range User Selectable
- Display at one time: 3V、3A、Hz
- RS485 modbus RTU: 3 Units Analog, 4 Alarm Joining User Optional



MODEL : DMVA

INPUT		INPUT/C		INPUT/F		OUTPUT		Setting Function		AUX.POWER	
A	PT X/110V	A	1A	A	50Hz	A	0 ~ 10mA DC	A	4 Alarm Joining	C	DC 24V
C	600V	B	5A	B	60Hz	B	0 ~ 20mA DC	N	NONE	F	AC 85 ~ 265V
Y	OTHER	Y	OTHER	Y	OTHER	C	4 ~ 20mA DC				DC 100 ~ 300V
						D	0 ~ 5V DC			Y	OTHER
						E	1 ~ 5V DC				
						F	RS-485				
						N	None				
						Y	Other				

3φ 4ω Voltage Line-Neutral

Specifications :

INPUT:

- Input Frequency : 45Hz ~70Hz.
 Input Burden : Voltage 0.25VA/Unit, Current 0.25VA/Unit, as 50/60Hz..
 Input Range : Normal Voltage 110V, Effective Range 85 ~ 150V. Normal Voltage 220V, Effective Range 160 ~ 300V AC.
 Normal Current 5A, Effective Range 0 ~ 7.5A. Normal Current 1A, Effective Range 0 ~ 1.5A.
 Input Over : Normal AC 5A, Current Over 15A Continuous; 50A 10 Sec/Hour; 400A 0.5 Sec/Hour.
 Normal AC 110V, Voltage Over 500V Continuous; 1200V 10Sec/Hour.

OUTPUT:

DC Current: 0 – 20 mA DC

Load resistance drive: output drive 10 VDC maximum

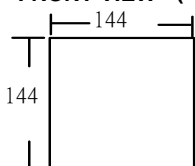
Output	Load Resistance
0 – 10 mA :	1000 Ω
0 – 20 mA :	500 Ω
4 – 20 mA :	500 Ω

- Output Protection : Without Damage for Output Open or Short Circuit.
 Output Response Time : ≦ 1 Sec.
 Digital Output Load : RS-485 Output, Isolate Type with MODBUS RTU mode., 4800, 9600, 19200 Baud Rate, User Selectable.

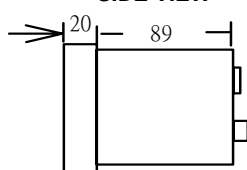
INSTALLATION & PERFORMANCE:

- Accuracy** : V、A = ±0.2% Fs+2C at 23°C ±3°C.
 Hz = ±0.02% Fs+1C at 23°C ±3°C.,
Display Range : 0.56" Super Red LED 4 Digits = 0~9999 Counts, PT、CT User Selectable.
Response Time : ≦ 1 Sec.
Dielectric Strength : AC 2.8KV / Min, Input/Power/Case, DIN IEC 688.
Impulse : 5 KV 1.2x50 uS, ANSI C37.90a / 1983.DIN IEC 255 – 4.
Stability : ≦ 0.2%/Year.
Temperature Coefficient : ≦ 100ppm / °C From 0 ~ 60°C,
Operation Condition : -10°C ~ +85°C 20 ~ 95% RH Non-Condensed.
Storage Condition : -40°C ~ +105°C 20 ~ 95% RH Non-Condensed.
Power Supply : AC 85~265V and DC 100~300V of Power can be withstood.
Mounting : Panel Flush Mounting.

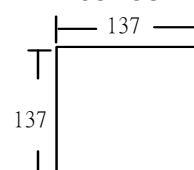
FRONT VIEW (mm)

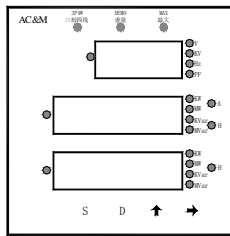


SIDE VIEW



CUT OUT





S : SELECT

↑ : UP (change number)

D : DATA

→ : RIGHT (change digit)

Press "S" to enter 01 display, press "D" to enter 01 set point level.

1. After into set point, press "↑ & →" to change set point level.
2. Press "S" can exit from present set point level, select 01 , 03 , , 09 conditions directly.
3. After into set point, press "D", the orders are 01 ~ set point level ~ 02 ~ set point level ~ 03 ~ set point level ~ 09
4. Under normal condition, press "D" to enter clear condition.
5. Under normal condition, press "↑" or "→" to enter page division display, "↑" to cross prior (...→7→6→...→1) , "→" to cross later (1→2→...→1 →...)

Function	Button	Range & Instruction of Functions
02 PT	→ ↑	Show 1 PT equals to one time (enter 02 condition, press "→" display will not change)
03 U-unit	→	Unit mark of "V" , "KV" will vary.
04 U-dot	→	The decimal of first V line will vary.
05 CT	→ ↑	Show 1 CT equals to one time (enter 05 condition , press "→" display won't change)
06 A-dot	→	The decimal of second A line will vary.
09 (Press → ↑ from 00-99) (Press D)	06 Baud	Baud among 9600-19200-38400 -1200-2400-4800 can cyclic switch.
	07 Address	Mod_Bus conventional address.
	15 Frequency	Retain frequency (different specific formula) of change measurement.
	87 Change password	Key in old password and new codes twice (except zero)
	88 Save altered data	Save correct password
Instruction : When user password set to inner password, functions of 04 , 15 , 81 can be seen and proofread. When shipping, user password set to 31. The formula has two passwords: inner and user passwords. Inner password processes clear, zero, save and user password change. User password can clear, save, change password, display Harmonics operation.		