

Microprocessor Multifunction Power Meter (144*144mm)

Features :

- Standard : Qualified to DIN-IEC 688
- The ratio of Output&Display are programmable.
- Displays: 3V、3A、W、Var、WH、VarH、PF、Hz、Harmonics
- Measure: 1 ϕ 2W, 1 ϕ 3W, 3 ϕ 3W, and 3 ϕ 4W systems.
- 31 times of harmonic analysis ; display 15 times of odd harmonic.
- Forever Power-Off Memory for WH & VarH
- Demand Management & Demand Control
- With RS-485 & RS 232, 2 Communication Ports, Modbus RTU Output
- Ethernet:TCP/IP PROTOCOL



MODEL: DMPW ☐ ☐ ☐ ☐ ☐ ☐
 DMPWH ☐ ☐ ☐ ☐ ☐ ☐ Harmonics
 DMPWD ☐ ☐ ☐ ☐ ☐ ☐ Demand

Input Voltage	Input Current	OUTPUT		Alarm Setting	AUX. POWER
A 55~440V (L-L)	A 1A B 5A	F RS-485 Modbus M 4 DC 4~20mA+RS485 E Ethernet+RS-485		A 4 Alarm Setting N NONE Y SPECIAL	C DC 24V F AC/DC 85~265V
C 55~600V (L-L)					
Y SPECIAL	Y SPECIAL	Y SPECIAL			Y SPECIAL

3 ϕ 4 ω Voltage Line-Neutral

Specifications :

INPUT:

Input Frequency : 45Hz ~ 70Hz.
 Input Burden : Voltage 0.25VA/Unit, Current 0.25VA/Unit, as 50/60Hz..
 Input Range : Effective Range 55 ~ 440V(L-L) . Effective Range 55 ~ 600V (L-L).
 Normal Current 5A, Effective Range 0 ~ 6A. Normal Current 1A, Effective Range 0 ~ 1.2A.
 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

DC Voltage: 0 – 10 V DC

Load resistance drive: output drive 5 mA maximum

Output	Load Resistance
0 – 5 V :	1 K Ω
1 – 5 V :	1 K Ω
0 – 10 V :	2 K 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= $\pm 0.2\%$ FS .W .Var.WH.VarH.PF = $\pm 0.5\%$ FS

Hz = $\pm 0.02\text{Hz}$ Fs+1C at 23 $^{\circ}\text{C}$ $\pm 3^{\circ}\text{C}$., THD $\pm 2\%$

Display Range : V、A、W、Var、PF、Hz, 0.56" Super Red LED 4 Digits = 0~9999 Counts, PT、CT User Selectable.
 WH ; VarH, 0.56" Super Red LED, 6 Digits = 0~999999 Counts.

Response Time : ≤ 1 Sec.

Dielectric Strength : AC 2.8KV / Min, Input/Power/Case, DIN IEC 688.

Impulse : 6 KV 1.2x50 μs , ANSI C37.90a / 1983.DIN IEC 255 – 4.

Stability : $\leq 0.2\%$ /Year.

Temperature Coefficient : $\leq 100\text{ppm} / ^{\circ}\text{C}$ From 0 ~ 60 $^{\circ}\text{C}$,

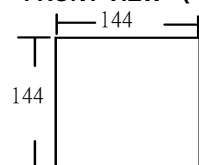
Operation Condition : -10 $^{\circ}\text{C}$ ~ +55 $^{\circ}\text{C}$ 20 ~ 95% RH Non-Condensed.

Storage Condition : -40 $^{\circ}\text{C}$ ~ +75 $^{\circ}\text{C}$ 20 ~ 95% RH Non-Condensed.

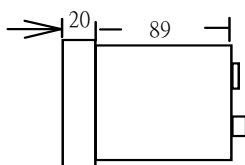
Power Supply : AC 85~265V and DC 100~300V of Power can be withstood.

Mounting : Panel Flush Mounting.

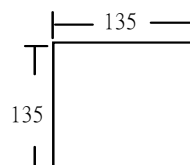
FRONT VIEW (mm)



SIDE VIEW



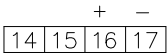
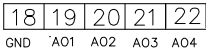
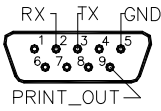
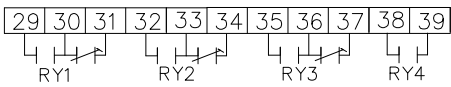
CUT OUT



Connection Diagram:

WARNING

TO AVOID ELECTRIC SHOCKPLEASE.
NO OPERATOR SERVICEABLE
COMPONENTS INSIDE.
DO NOT REMOVE COVERS.
REFER SERVICING TO QUALIFIED PERSONNEL.



1S	1L	2S	2L	3S	3L
1	2	3	4	5	6

