PROGRAMMABLE DIGITAL PANEL METER

4 DIGIT 9999 COUNTS
10 DIGIT DISPLAY FOR KWH
MICROPROCESSOR DC MULTIFUNCTION POWER METER
Model - DMDPW

Useful for Telecommunication Companies at Tower installation Sites



✷ FEATURES :

- Comply to DIN-IEC 688
- Display for : DC V, A, W, WH
- Pulse output : 1 count / 1 ~ 100 Pulse (Programmable)
- Permanent power-off memory for Watthour.
- 10 digit display for KWh
- Relays are controlled independently
- RS485 MODBUS RTU

ORDERING :

DMDPW — Code1 — Code2 — Code3 — Code4 — Code5 — Code6

Code 1	Input Voltage	Code 2	Input Current	Code 3	Alarm Setting	Code 4	Output1	Code 5	Output2	Code 6	Aux. Power
1	DC 0 ~ 50V	1	DC 0 ~ 5A	1	3 Alarm Setting	1	RS485	1	DC 4~20mA	1	AC 110 / 220V
2	DC 0 ~ 300V	2	DC 0 ~ 1A	2	4 Alarm Setting	2	Pulse	2	DC 0~20mA	2	AC 220V
3	DC 0 ~ 600V	3	DC 0 ~ 10A	0	None	3	RS485 + Pulse	3	DC 0~5V	3	DC 22~72V
Y	Other	4	DC 0 ~ 20A	Y	Other	0	None	4	DC 0~10V	4	AC/DC 85~265V
		5	Shunt X/50mV			Y	Other	Corresponds to V, A or W. (Programmable)		Y	Other
		6	Shunt X/60mV								
		Y	Other					0	None		
								Y	Other		

When ordering Specify Model, code number and variable.

Code Number : Model-code1-code2-code3-code4-code5 (E.g. DMDPW - 12034Y)

✷ SPECIFICATIONS :

- **Accuracy :** ± 0.5 % FS + 2 Count at 23°C ± 3°C.
- **Stability :** ≤ 0.2 % / Year.
- **Display :** 0.39" High Brightness Red LED 3 lines Display.
  10 Digit display for Watthour.
- **Input Current :** Normal DC 5A, Over Current 15A Continuous.
- **Input Voltage :** Normal DC 110V, over Voltage 500V continuous;
  1200V 10 sec / Hour.
- **Pulse Output :** Pulse output for Watthour.
- **Setting Range :** 0 ~ 9999 Counts (Programmable)
- **Non-action Range :** 0 ~ 9999 Counts (Programmable)
- **Dielectric Strength :** AC 2KV / Min, between Input / Power / Case, DIN IEC 688.
- **Surge :** 5KV 1.2 x 50μS, ANSI C37.90a /1983. DIN IEC 255 - 4.
- **Dimension :** 96(W)X48(H)X100(L)mm
- **Mounting :** Panel Flush Mounting.

4 DIGIT 9999 COUNTS
DC SIGNAL OPERATION DIGITAL METER
Model - DMCA



✷ FEATURES :

- 2 Input signals operations : add / subtract / multiply / Divide / average / high or low selector
- 3-line display screen : input 1 / input 2 / operation result
- 4 Alarm setting (relays) set for input 1 or input 2 or result
- Alarm indicator
- With analog outputs & RS-485 outputs.

ORDERING :

DMCA — Code1 — Code2 — Code3 — Code4 — Code5 — Code6

Code 1	Operation	Code 2	Input Signal	Code 3	Alarm Setting	Code 4	Output1	Code 5	Output2	Code 6	Aux. Power
1	Add	1	DC 0~10mA	1	3 Alarm Setting	1	DC 0~10mA	6	RS485	3	DC 22~72V
2	Subtract	2	DC 0~20mA	2	4 Alarm Setting	2	DC 0~20mA	0	None	6	AC/DC 85~265V
3	Multiply	3	DC 4~20mA	0	None	3	DC 4~20mA	Y	Special	Y	Special
4	Divide	4	DC 0~5V			4	DC 0~5V				
5	Average	5	DC 1~5V			5	DC 1~5V				
6	Low selector	6	DC 0~10V			6	DC 0~10V				
7	High selector					0	None				
Y	Special	Y	Special			Y	Special				

Operation

Add	DS3 = DS1 + DS2	Multiply	DS3 = DS1 X DS2 ÷1000	Average	DS3 = (DS1 X DS2) ÷ 2
Subtract	DS3 = DS1 - DS2	Divide	DS3 = DS1 ÷ DS2 X 100	High Selector Low Selector	IF (DS1>DS2) ; DS3=DS1 IF (DS1<DS2) ; DS3=DS1

✷ SPECIFICATIONS :

INPUT :

- Input Impedance : Voltage Input : ≧ 1MΩ ; Current Input : ≦ 75 Ω

OUTPUT & DISPLAY :

- **DC Current :** 0 ~ 20 mA DC
- **Load Resistance Drive :** Output drive 10VDC maximum.
- **DC Voltage :** 0 ~ 10 V DC
- **Load Resistance Drive :** Output drive 5mA maximum.

✷ ADDITIONAL FEATURES :

- **Accuracy :** ±0.2 % FS + 2 Counts at 23°C ± 3°C.
- **Stability :** ≦ 0.2 % / Year.
- **Setting Function :** 4 Alarm Setting (Hi or Lo) user selectable.
- **Time Delay :** 0 ~ 999 Sec. User Selectable.
- **Setting Range :** 0 ~ 9999 counts
- **Dielectric Strength :** AC 2 KV / Min, Between Input / Power / Case
- **Impulse :** 5KV 1.2 x 50μS, ANSI C37.90a /1983.DIN IEC 255 - 4.
- **Outline Dimension :** 1/8 DIN 96(W)X48(H)X100(D)mm.
- **Mounting :** Panel Flush Mounting.