PROGRAMMABLE DIGITAL PANEL METER

5 DIGIT 99999 COUNTS
AC CURRENT DIGITAL PANEL METER
Model - MMA-RMS / MMAR-TRMS



✳ FEATURES :

- Programmable CT ratio
- Output : 0 - 20mA / 4-20mA or 0-5V / 1-5V / 0-10VDC
- RS485 MODBUS RTU & 4 Alarm Setting Function
- Small size (Depth < 90mm)
- Selectable sampling speed : (High / Medium / Low)

  * Sampling speed is determined by the buffer size.
  Buffer size = The number of measurements for RMS.

ORDERING :

MMA — Code1 — Code2 — Code3 — Code4 — Code5 R.M.S.
MMAR — Code1 — Code2 — Code3 — Code4 — Code5 T.R.M.S.

Code 1	Input Current	Code 2	Alarm Setting	Code 3	Output1	Code 4	Output2	Code 5	Aux. Power
1	X / 5A	2	2 Alarm Setting	1	DC 0~10mA	6	RS485	1	AC 110 / 220V
2	X / 1A	4	4 Alarm Setting	2	DC 0~20mA	0	None	2	AC 220V
3	0 ~ 10A	0	None	3	DC 4~20mA	Y	Other	3	DC 22~72V
Y	Other			4	DC 0~5V			6	AC/DC 85~265V
				5	DC 1~5V			Y	Other
				6	DC 0~10V				
				0	None				
				Y	Other				

When ordering Specify Model, code number and variable.
Code Number : Model-code1-code2-code3-code4-code5 (E.g. MMA - 2430Y)

✳ SPECIFICATIONS :

INPUT :

- Input Frequency : 45 ~ 70 Hz.
- Input Burden : 0.25 VA at 60 Hz.
- Input Over : Normal AC 5A, Current Over 20 A Continuous.

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 :** Avg: 0.15% FS+1 Count Typically at 23°C ± 3°C.
  TRMS :0.25% FS+1 Count Typically 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 :** -19999~99999 counts user selectable.
- **Dielectric Strength :** 2 KV AC / 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.

4 DIGIT 9999 COUNTS
DIGITAL 3 PHASE AC CURRENT METER
WITH 3 DISPLAYS
Model - DM3A



✳ FEATURES :

- Display values of 3 phase simultaneously
- Switch between 2CT / 3CT System.
- 4 Alarm setting function
- Programmable for CT ratio
- With OFFSET adjustment.
- Self-testing function with easy operation
- RS-485 MODBUS RTU with Max. baudrate 38400

ORDERING :

DM3A — Code1 — Code2 — Code3 — Code4 — Code5

Code 1	Input Current	Code 2	Alarm Setting	Code 3	Output1	Code 4	Output2	Code 5	Aux. Power
1	AC X / 5A	1	3 Alarm Setting	1	DC 0~10mA	6	RS485	3	DC 22~72V
2	AC X / 1A	2	4 Alarm Setting	2	DC 0~20mA	0	None	6	AC/DC 85~265V
3	AC X / 10A	0	None	3	DC 4~20mA	Y	Other	Y	Other
Y	Other			4	DC 0~5V				
				5	DC 1~5V			.	
				6	DC 0~10V				
				0	None				
				Y	Other				

When ordering Specify Model, code number and variable.
Code Number : Model-code1-code2-code3-code4-code5 (E.g. DM3A - 12663)

✳ SPECIFICATIONS :

INPUT :

- Input Frequency : 45 ~ 70Hz.
- Input Burden : 0.25 VA at 60Hz.
- Input Over : Normal AC 5A, Current Over 20A Continuous.

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 :** Avg. ± 0.5 % FS + 1 Count 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 :** 9999 counts user selectable.
- **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.