

# MICROPROCESS PANEL CONTROLLER METER (DISPLAY 0.56")

**MODEL  
MM2**



## ■ FEATURES

- Accuracy 0.05% F.S. ±1 digit
- Measuring DCA/DCV/ACA/ACV/Potentiometer/Transmitter/Pt-100/Load Cell/Resistor/etc.....
- Programmable rate 0 to ± 19999 digit
- Auto zero and hold and maximum hold function
- Correction for non-linearity function(9 segments) (optional)
- Max. four alarm function (optional)
- 15 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)

1. MODEL: MM2-□ □ □ - □ □ □ □

NO	Input Type	NO	DCV(ACV)	NO	DCA(ACA)	NO	Potentiometer	NO	Transmitter	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux. Power
A	DC	11	0~50mV	21	0~19.999uA	31	0~10%	41	DC4~20mA	0	None	0	None	N	None	A	AC/DC18~60V
B	AC(RMS)	12	0~5V	22	0~199.99uA	32	0~50%	42	DC1~5V	1	One	1	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	AC(TRMS)	13	0~10V	23	0~1.9999mA	33	0~100%	43	DC4~20mA	2	Two	2	DC0~10V				
D	Potentiometer	14	0~36V	24	0~19.999mA	34	5~95%	44	DC1~5V	3	Three	3	DC4~20mA				
E	Transmitter	15	0~54V	25	0~199.99mA	35	10~90%	49	SPECIFIED	4	Four	9	SPECIFIED				
F	Pt-100(RTD)	16	0~110V	26	0~1.9999A	39	SPECIFIED										
H	Load Cell	17	0~600V	27	0~5.000A												
L	LVDT	18	0~1000V	28	0~10.000A												
R	Resistor	19	SPECIFIED	29	SPECIFIED												

\*41/42 nonexciting DC24V  
 \*43/44 exciting DC24V(<25mA)  
 \*Relay contact (AC250V-5A, DC30V-7A)  
 \*Two-wire transmitter (Exciting voltage DC10~36V)  
 \*Modbus mode \*256 nodes on bus  
 \*Less 4VA for AC/DC input

## 2. SPECIFICATION

- Measuring accuracy : 0.05% F.S. ±1 digit (23±5°C) 0.2% F.S. ±1 digit(AC(RMS))
- Sampling time : 16 cycles/sec.
- Readout range : 0~±19999digit adjustable
- Alarm delay time : 0~99.9 second adjustable
- Alarm action : HI or Lo adjustable
- Relay contact output : AC 250V-5A, DC 30V-7A
- Analog output resolution : 15 bit DAC
- Response time : < 250ms(0~90%)
- Output drive capability : < 10mA for voltage mode < 10V for current mode < [(V+)-7.5V]/20mA for two-wire mode
- Output ripple (p-p) : < 0.1% F.S.
- RS-485 address : "01"~"FF"(0~255)
- RS-485 baud rate : 19200/9600/4800/2400 selective
- RS-485 protocol : Modbus RTU mode
- Temp. coefficient : 50ppm/°C (0~50°C)
- Display : Red high efficiency LEDs high 14.22mm(0.56")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E<sup>2</sup> PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power) 1600 Vdc (input/output)
- Operating condition : 0~50°C (20 to 90% RH non-condensed)
- Storage condition : 0~70°C (20 to 90% RH non-condensed)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A  
EN 61000-3-2:2000  
EN 61000-3-3:1995/A1:2001  
EN 55024:1998/A1:2001

## 3. OUTSIDE DIMENSION AND CONNECTION DIAGRAM

