

MICROPROCESS DUAL DISPLAY PANEL CONTROLLER METER

**MODEL
MM2D**



FEATURES

- Accuracy 0.1% F.S. ± 1 digit
- Dual input measuring and display DCA/DCV/ACA/ACV
- Programmable rate 0 to ± 19999 digit
- Analog output math-function(IN1,IN2,IN1+IN2,IN1-IN2,IN1xIN2,IN1/IN2)
- Two alarm function (optional)
- 15 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)

1.MODEL:MM2D-

NO	Input Type	NO	Input1 Range	NO	Input2 Range	NO	Input1 Alarm	NO	Input2 Alarm	NO	Analog output	NO	RS-485	NO	Aux. Power
A	DC	1	0-50mV	1	0-50mV	0	None	0	None	0	None	N	None	A	AC/DC18-60V
B	AC	2	0-20V	2	0-200mA	1	One	1	One	1	DC4-20mA	Y	RS-485	B	AC/DC90-260V
		3	0-150V	3	0-2A	2	Two	2	Two	2	DC0-10V		Modbus mode 256 nodes on bus		Less 4VA for AC/DC input
		4	0-300V	4	0-5A	Relay contact (AC250V-5A,DC30V-7A)				3	DC4-20mA				
		9	SPECIFIED	9	SPECIFIED					9	SPECIFIED				

Two-wire transmitter (Exciting voltage DC10-36V)

2.SPECIFICATION

- Measuring accuracy : 0.1% F.S. ± 1 digit
(23 ± 5) 0.2% F.S. ± 1 digit(AC)
- Readout range : 0- ± 19999 digit 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"
- RS-485 baud rate : 19200/9600/4800/2400 selective
- RS-485 protocol : Modbus RTU mode
- Temp. coefficient : 100ppm/ (0-50)
- Display : Red high efficiency LEDs high 10.18 mm(.4")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power)
1600 Vdc (input/output)
- Operating condition : 0-50 (20 to 90% RH non-condensed)
- Storage condition : 0-70 (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

