MICROPROCESS DUAL ANALOG INPUT (MATH FUNCTION)PANEL CONTROLLER METER

MODEL MM2D-D

■ FEATURES)

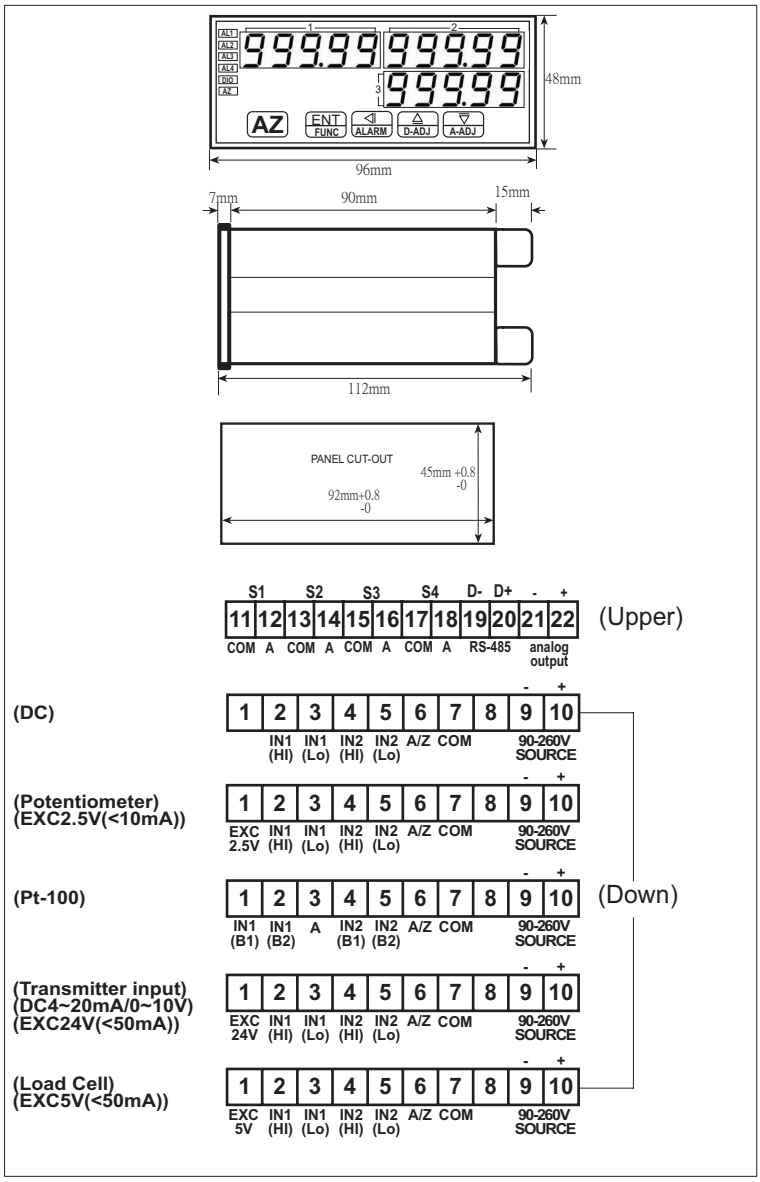
- Accuracy 0.03% F.S.±1digit
- Dual input measuring and display DCA/DCV/Potentiometer/Transmitter/Pt-100/Load Cell/etc.....
- Dual input math function A+B/A-B/AxB/A/B
- Programmable rate -19999~99999 digit
- Four alarm function (optional)
- 16 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)

1.MODEL:MM2D-D □ □□ □□ - □ □ □ □

NO	Input Type	NO	DCV	NO	DCA	NO	Transmitter	NO	Pt-100	NO	Load Cell	NO	Alarm	NO	Analog output	NO	RS-485	NO	Aux. Power
A	DC	11	0~50mV	22	0~200uA	41	DC4~20mA	51	-50.00~+50.00°C	61	2mV/V	N	None	0	None	N	None	A	AC/DC18~60V
D	Potentiometer	12	0~5V	24	0~20mA	42	DC1~5V	52	-100.0~+100.0°C	62	3mV/V	Y	YES	1	DC4~20mA	Y	RS-485	B	AC/DC90~260V
E	Transmitter	13	0~10V	25	0~200mA	43	DC4~20mA	53	-200.0~+400.0°C	69	SPECIFIED	•YES=Four alarm •Relay contact (AC250V-5A DC30V-7A)		2	DC0~10V	•Modbus mode •256 nodes on bus		•Less 4VA for AC/DC input	
F	Pt-100(RTD)	15	0~50V	26	0~2A	44	DC1~5V	54	-200.0~+850.0°C	•Exciting DC24V (<50mA)				3	•DC4~20mA				
H	Load Cell	16	0~100V	27	0~5A	49	SPECIFIED	59	SPECIFIED					9	SPECIFIED				
O	SPECIFIED	17	0~600V	28	0~10A	•43/44 exciting DC24V		•Three wire connection						•Two-wire transmitter (Exciting DC10~36V)					
		19	SPECIFIED	29	SPECIFIED														

•Only DC/Transmitter E41/E42:input1 & input2 isolating

2.SPECIFICATION

- Measuring accuracy (23±5℃) : 0.03% F.S.±1 digit (channel A)
  0.05% F.S.±1 digit (channel B)
- Sampling time : 10 cycles/sec.
- Readout range : -19999~99999 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 : 16 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
  Exciting DC10~36V
- 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 : 30ppm/℃ (0~50℃)
- Display : Red high efficiency LEDs high 10.18mm(0.4")
- Parameter setting : Touch keys
- Memory mode : Non-volatile E^2 PROM memory
- Dielectric strength : 2KVac/1 min. (input 1/input 2/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