

**( MICROPROCESS DUAL ANALOG INPUT PANEL CONTROLLER METER )(DISPLAY 0.8")**

**MODEL  
MMX-A**



**(FEATURES)**

- (Accuracy 0.1% F.S. ± 1 digit)
- (Measuring DCA/DCV/ACA/ACV/Potentiometer/Transmitter/Pt-100/Load Cell/Resistor/etc.....)
- (Dual analog input function for transmitter input)
- (Programmable rate -19999-99999 digit)
- (Max. four alarm function )(optional)
- (Auto zero and hold function)
- (15 bit DAC analog output function)(optional)
- (Digit RS-485 interface function)(optional)

**1.MODEL:MMX-A**

NO	Input Type	NO	DCV(ACV)	NO	DCA(ACA)	NO	Load Cell	NO	Thermocouple	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux. Power
A	DC	11	0-50mV	21	0-19.999uA	61	2mV/V	71	J(-200-760 )	0	None	0	None	N	None	A	AC/DC18-60V
B	AC(RMS)	12	0-5V	22	0-199.99uA	62	3mV/V	72	K(-200-1360 )	1	One	1	DC4-20mA	Y	RS-485	B	AC/DC90-260V
C	AC(TRMS)	13	0-10V	23	0-1.9999mA	63	2mV/V	73	T(-200-395 )	2	Two	2	DC0-10V	Modbus mode			Less 5VA for AC/DC input
D	Potentiometer	14	0-36V	24	0-19.999mA	64	3mV/V	74	E(-185-990 )	3	Three	9	SPECIFIED				
E	Transmitter	15	0-54V	25	0-199.99mA	65	SPECIFIED	75	R(0-1760 )	4	Four	Isolating(input/output)					
F	Pt-100(RTD)	16	0-110V	26	0-1.9999A	66	Exciting DC5V(<50mA)	76	S(0-1750 )	Relay contact (AC250V-3A,DC30V-5A)							
G	Thermocouple	17	0-600V	27	0-5.000A	67	Exciting DC10V(<50mA)	77	B(200-1800 )	CJC traceability < ±0.5 (0-70 )							
H	Load Cell	18	0-1000V	28	0-10.000A												
R	Resistor	19	SPECIFIED	29	SPECIFIED												

**2.SPECIFICATION**

- Measuring accuracy : 0.1% F.S. ± 1 digit (23 ± 5 ) 0.2% F.S. ± 1 digit(AC(RMS)) 0.2% F.S. ± 0.5 (C/JC)(Thermocouple)
- Sampling time : 16 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-3A, DC 30V-5A
- Analog output resolution : 15 bit DAC
- Response time : < 250ms(0-90%)
- Output drive capability : < 10mA for voltage mode < 10V for current 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 : 50ppm/ (0-50 )
- Display : Red high efficiency LEDs high 20.32mm(0.8")
- 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 : 0-60 (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**

