

# MICROPROCESS 6 CHANNEL INPUT ISOLATED CONTROLLER METER

**MODEL  
MM81**



## ■ FEATURES

- Accuracy 0.1% F.S.  $\pm 1$  digit
- Measuring DCA/DCV/ACA/ACV/Thermocouple/etc...
- Programmable rate -1999~9999 digit
- Input channel number(1~6) can be modified
- Two alarm function (optional)
- Digit RS-485 interface function (optional)

1.MODEL:MM81-□□□□□□□□

NO	Input Type	NO	DCV(ACV)	NO	DCA(ACA)	NO	Thermocouple	NO	Alarm output	NO	RS-485	NO	Aux.Power
A	DC	11	0-50mV	21	0-9.999 $\mu$ A	71	J(-200~760) $^{\circ}$ C	N	None	N	None	A	AC/DC18-60V
B	AC(RMS)	12	0-5V	22	0-99.99 $\mu$ A	72	K(-200~1360) $^{\circ}$ C	R	Two-Relay	Y	RS-485	B	AC/DC90-260V
G	Thermocouple	13	0-10V	23	0-999.9 $\mu$ A	73	T(-200~395) $^{\circ}$ C	P	Two-Pulse				
O	SPECIFIED	14	0-36V	24	0-9.999mA	74	E(-185~990) $^{\circ}$ C		•Relay contact (AC250V-5A,DC30V-5A)		•Modbus mode •256 nodes on bus		•Less 4VA for AC/DC input
		15	0-54V	25	0-99.99mA	75	R(0~1760) $^{\circ}$ C		•Photo-couple of open-collector (MAX.DC60V/120mA)				
		16	0-110V	26	0-2.000A	76	S(0~1760) $^{\circ}$ C						
		17	0-600V	27	0-5.000A	77	B(200~1800) $^{\circ}$ C						
		19	SPECIFIED	28	0~10.00A								
				29	SPECIFIED								

## 2.SPECIFICATION

- Measuring accuracy :0.1% F.S.  $\pm 1$  digit(DC)  
(23 $\pm 5^{\circ}$ C)  
0.2% F.S.  $\pm 1$  digit(AC(RMS))(45~65Hz)  
0.2% F.S.  $\pm 0.3^{\circ}$ C (CJC)(Thermocouple)
- Cold junction compensation : $\pm 0.3^{\circ}$ C (0~70 $^{\circ}$ C)(Thermocouple)
- Readout range :-1999~9999 digit adjustable
- Over input indication : "doFL" or "-doFL"
- Polarity display :When input is negative "-" display
- Sampling time :1 cycles/sec.(total)
- Alarm delay time :0~99 second adjustable
- Alarm action :HI or Lo adjustable
- Relay contact output :AC250V-5A,DC30V-7A
- Transistor output :Photo couple of open-collector(Max.DC30V/40mA)
- RS-485 address : "00"~"FF"(0~255)
- RS-485 baud rate :38400/19200/9600/4800/2400 selective
- RS-485 protocol :Modbus RTU mode
- Display :Red high efficiency LEDs high 7.0mm(0.28")
- Temp. coefficient :50ppm/ $^{\circ}$ C (0~50 $^{\circ}$ C)
- Parameter setting :Touch switches
- Memory mode :Non-volatile E<sup>2</sup>PROM memory
- Dielectric strength :2KVac/1 min.(input/output/power)(AC input)  
1000Vac/1 min.(input/output)(DC Thermocouple input)
- Operating condition :0~50 $^{\circ}$ C (20 to 90% RH non-condensed)
- Storage condition :0~70 $^{\circ}$ 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  
EN55024:1998/A1:2001

## 3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM

