

MICROPROCESS PANEL CONTROLLER METER(48X48mm)

MODEL
MA48



FEATURES

- Accuracy 0.05% F.S. ± 1 digit
- Measuring DCA/DCV/ACA/ACV/Potentiometer/Transmitter/Pt-100/Thermocouple/Load Cell/Resistor/etc...
- Programmable rate -19999~99999 digit
- Auto zero and hold and maximum hold function
- Two alarm function (optional)
- 16 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)
- Protection class NEMA4/IP65

1.MODEL:MA48-□□□□□□□□

NO	Input Type	NO	DCV(ACV)	NO	DCA(ACA)	NO	Transmitter	NO	Load Cell	NO	Thermocouple	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux.Power
A	DC	11	0~50mV	21	0~99.999uA	41	DC4~20mA	61	2mV/V	71	J(-200~760)°C	0	None	0	None	N	None	A	AC/DC18~60V
B	AC(RMS)	12	0~5V	22	0~999.99uA	42	DC1~5V	62	3mV/V	72	K(-200~1360)°C	1	One(Relay)	1	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	AC(TRMS)	13	0~10V	23	0~9.9999mA	43	DC4~20mA	63	2mV/V	73	T(-200~395)°C	2	Two(Relay)	2	DC0~10V	•Modbus mode •256 nodes on bus		•Less 3VA for AC/DC input	
D	Potentiometer	14	0~36V	24	0~99.999mA	44	DC1~5V	64	3mV/V	74	E(-185~990)°C	3	One(Transistor) (NPN)	9	SPECIFIED				
E	Transmitter	15	0~54V	25	0~999.99mA	49	SPECIFIED	69	SPECIFIED	75	R(0~1760)°C	4	Two(Transistor) (NPN)						
F	Pt-100(RTD)	16	0~110V	26	0~2.0000A					76	S(0~1750)°C								
G	Thermocouple	17	0~600V	27	0~5.0000A					77	B(200~1800)°C								
H	Load Cell	19	SPECIFIED	29	SPECIFIED														
R	Resistor																		

2.SPECIFICATION

- Measuring accuracy :0.05% F.S. ± 1 digit
(23 $\pm$ 5°C)
0.2% F.S. ± 1 digit(AC(RMS))
0.2% F.S. $\pm 5^\circ$ C (CJC)(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 :AC250V-5A,DC30V-5A
- Transistor output type :Photo couple of open-collector
(Max.DC30V/40mA)
- Analog output resolution :16 bit DAC(Isolating)
- 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"(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 10.16mm(0.4") (PV)
Red high efficiency LEDs high 7.00mm(0.28") (SV)
- Parameter setting :Touch switches
- Memory mode :Non-volatile E²PROM memory
- Dielectric strength :2KVac/1 min.(input/output/power)
1600Vdc(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
EN55024:1998/A1:2001

3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM

