

# MICROPROCESS ANALOG ISOLATED TRANSMITTER

MODEL  
MAT



## FEATURES

- Accuracy 0.1%F.S.
- Input type DCA/DCV/ACA/ACV/Potentiometer/Transmitter etc.....
- 16 bit DAC isolating analog output function
- Dielectric strength 2KVac/1 min. (input/output/power)
- Wide input range for auxiliary power
- Dimension small and High stability

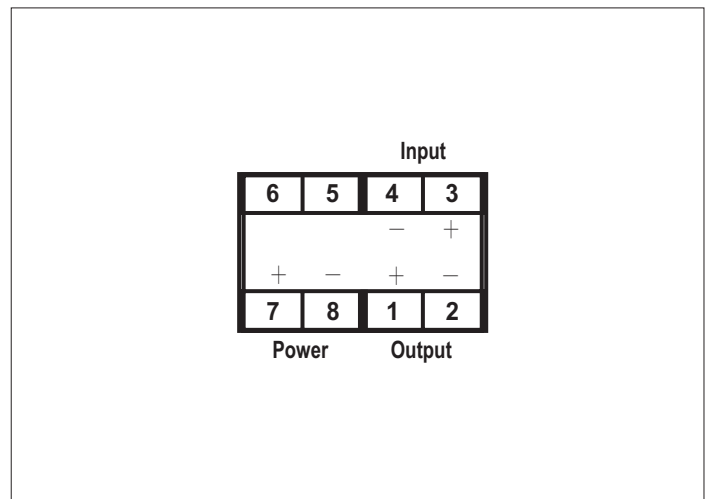
## 1.MODEL:MAT-□ □ □ □ □

NO	Input Type	NO	DCV(ACV)	NO	DCA(ACA)	NO	Potentiometer	NO	Transmitter	NO	Load Cell	NO	Output Range	NO	Aux. Power
A	DC	11	0~50mV	22	0~200uA	31	0~10%	41	DC4~20mA	61	2mV/V	A	0~50mV	A	AC/DC 18~60V
B	AC(RMS)	12	0~5V	23	0~2mA	33	0~100%	42	DC1~5V	62	3mV/V	C	1~5V	B	AC/DC 90~260V
C	AC(TRMS)	13	0~10V	24	0~20mA	34	5~95%	43	DC4~20mA	63	2mV/V	D	0~10V	C	AC110V(50/60Hz)±20%
D	Potentiometer	14	0~36V	25	0~200mA	35	10~90%	44	DC1~5V	64	3mV/V	G	0~10mA	D	AC220V(50/60Hz)±20%
E	Transmitter	15	0~54V	26	0~2A	39	SPECIFIED	49	SPECIFIED	69	SPECIFIED	H	0~20mA		•Less 4VA for AC/DC input
F	Pt-100	16	0~110V	27	0~5A							I	4~20mA		
H	Load Cell	19	SPECIFIED	29	SPECIFIED							R	SPECIFIED		

## 2.SPCIFICATION

- Measuring accuracy : 0.1% F.S. (23±5°C)
- Readout range : 0~±19999 digit adjustable
- Analog output resolution : 16 bit DAC
- Response time : < 250 ms (0~90%)
- Output drive capability : < 10mA for voltage mode  
< 10V for current mode
- Output ripple (p-p) : < 0.1% F.S.
- Zero (offset) range : 0~±9999 Digit adjustable
- Span (scale) range : 0~±9999 Digit adjustable
- Temp. coefficient : 50ppm/°C (0~50°C)
- Display : Red high efficiency LEDs high 10.16mm (0.4")
- Isolation : Input/Output/Power/Case
- Parameter setting : Touch switches
- Memory mode : Non-volatile E<sup>2</sup> PROM memory
- Insulation Resistance : >100M ohm with 500V DC
- Dielectric strength : 2KVac/1 min. (input/output/power)  
1600Vdc (input/output)
- Operating condition : 0~60°C (20 to 90% RH non-condensed)
- Storage condition : 0~70°C (20 to 90% RH non-condensed)
- Construction : Socket/plugin type with barrier terminals
- 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.TERMINAL CONNECTION



## 4.DIMENSION(unit:mm)

