

MICROPROCESS FREQUENCY ISOLATED TRANSMITTER)

MODEL
TMF



■ FEATURES

- Accuracy 0.03%F.S.
- Input range from 0.01 Hz to 80KHz
- 16 bit DAC isolating analog output
- Dielectric strength 2KVac/1min. (input/output/power)
- Wide input range for auxiliary power
- Dimension small and High stability

1.MODEL:TMF-□ □ □

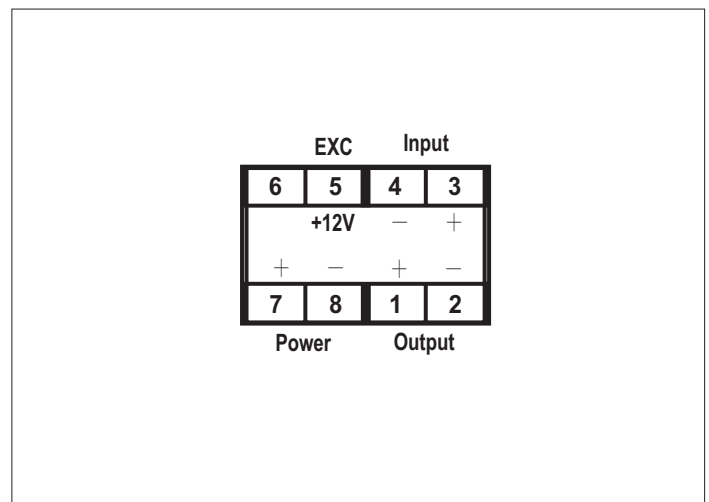
NO	Input Type	NO	Input Type	NO	Input Type	NO	Output Range	NO	Output Range	NO	Output Range	NO	Aux. Power
1	Dry contact	5	Magnetic pick-up (AC50mV~1.5V)	7	AC2~60V	A	0~1V	E	2~10V	I	4~20mA	A	AC/DC 18~60V
2	Pulse(TTL)(5V)	6	Magnetic pick-up (AC500mV~15V)	9	SPECIFIED	B	0~5V	F	0~1mA	R	SPECIFIED	B	AC/DC 90~260V
3	Pulse(NPN)(12V)			C	1~5V	G	0~10mA	C	AC110V(50/60Hz)±20%				
4	Pulse(PNP)(12V)	D	0~10V	H	0~20mA	D	AC220V(50/60Hz)±20%						

•Less 3VA for AC/DC input

2.SPICIFICATION

- Measuring accuracy (精確度) : 0.03% F.S. (23±5°C)
- Count input type : Switch selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels : HI bias (CMOS) (V_{IH}=7.5V, V_{IL}=5.5V)
LO bias (TTL) (V_{IH}=3.7V, V_{IL}=2.0V)
- Sampling time : 20 cycles/sec. (>10Hz)
f/2 cycles/sec(<10Hz)
- Analog output resolution : 16 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.
- Zero (offset) range : 0~±9999 Digit adjustable
- Span (scale) range : 0~±9999 Digit adjustable
- Sensor power supply : 12VDC±3% (<50mA)
- 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 E² PROM memory
- Insulation Resistance : >100Mohm 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)

