

(MICROPROCESS FREQUENCY ISOLATED TRANSMITTER)

MODEL
TMF



(FEATURES)

- (Accuracy 0.03%F.S.)
- (Input range from 0.01 Hz to 80KHz)
- (15bit 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-

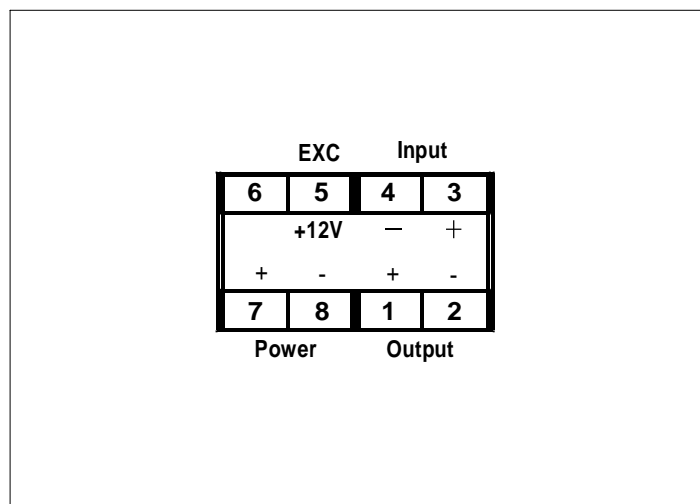
| NO | Input Type | NO | Input Type | NO | Input Type | NO | Output Range | NO | Output Range | NO | Output Range | NO | Aux. Power |
|----|-----------------|----|--------------------------------|----|------------|----|--------------|----|-----------------|----|--------------|----|---------------|
| 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) | | | | |
| 4 | Pulse(PNP)(12V) | | | D | 0~10V | H | 0~20mA | D | AC220V(50/60Hz) | | | | |

Less 3VA for AC/DC input

2.SPCIFICATION

- Measuring accuracy : 0.03% F.S. (23 ± 5)
- 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 : 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.
- Zero (offset) range : 0- ±9999 Digit adjustable
- Span (scale) range : 0- ±9999 Digit adjustable
- Sensor power supply : 12VDC ±3% (<50mA)
- Temp. coefficient : 50ppm/ (0-50)
- 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 (20 to 90% RH non-condensed)
- Storage condition : 0-70 (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)

