

DUAL OUTPUT MICROPROCESS MATH FUNCTION ISOLATED TRANSMITTER

**MODEL
DMMT**



FEATURES

- Accuracy 0.1%F.S.
- Math function A+B/A-B/AxB/A/B/A&B(Hi&Lo)/|A|/√A /etc.....)
- 16 bit DAC isolating analog output function
- Dielectric strength 2KVac/1min. (input/output1/output2/power)
- Wide input range for auxiliary power
- Dimension small and High stability

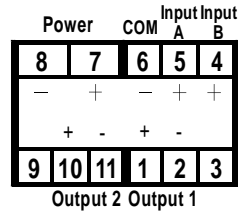
1.MODEL:DMMT-

| NO | Input Type | NO | Input A Range | NO | Input A Range | NO | Input B Range | NO | Output 1 | NO | Output 1 | NO | Output 2 | NO | Output 2 | NO | Aux. Power |
|----|---------------|----|---------------|----|---------------|----|---------------|----|----------|----|-----------|----|----------|----|-----------|----|--------------------------|
| A | A±B | 1 | 0~50mV | 6 | 0~1mA | 1 | 0~50mV | A | 0~50mV | F | 0~1mA | A | 0~50mV | F | 0~1mA | A | AC/DC 18~60V |
| B | AxB(A/B) | 2 | 0~5V | 7 | 0~20mA | 3 | 0~10V | B | 0~1V | G | 0~10mA | B | 0~1V | G | 0~10mA | B | AC/DC 90~260V |
| C | A&B(Hi or Lo) | 3 | 0~10V | 8 | 4~20mA | 6 | 0~1mA | C | 1~5V | H | 0~20mA | C | 1~5V | H | 0~20mA | | Less 3VA for AC/DC input |
| D | A | 4 | 2~10V | 9 | SPECIFIED | 8 | 4~20mA | D | 0~10V | I | 4~20mA | D | 0~10V | I | 4~20mA | | |
| E | √A | 5 | -10~+10V | | | 9 | SPECIFIED | E | 2~10V | R | SPECIFIED | E | 2~10V | R | SPECIFIED | | |

2.SPCIFICATION

- Measuring accuracy : 0.1% F.S. (23 ± 5)
- Readout range : 0- ± 19999 digit adjustable
- Input resistance : >100 Mohm(< 2V range)
>1 Mohm(> 2V range)
<20 ohm (current input)
- Maximum input : <300Vrms(>2V ranges)
<150Vrms(>2V ranges)
<150mA(current ranges)
- Analog output resolution : 16 bit DAC
- Response time : < 250 ms (0-90%)(>10Hz)
- 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(output1)
0- ± 5%F.S.(output2)
- Span (scale) range : 0- ± 9999 Digit adjustable(output2)
0- ± 10%F.S.(output2)
- Temp. coefficient : 50ppm/ (0-50)
- Display : Red high efficiency LEDs high 10.16mm (0.4")
- Isolation : Input/Output1/Output2/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/output1/output2/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)

