

# 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

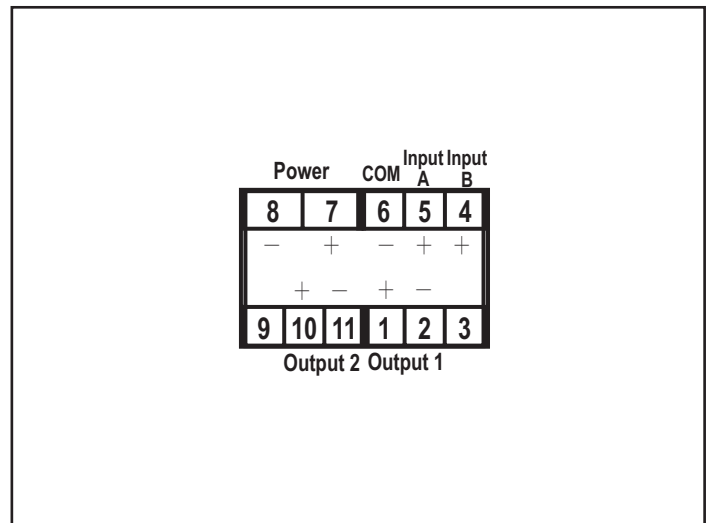
## 1. MODEL: DMMT-□ □ □ □ □

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. SPECIFICATION

- Measuring accuracy : 0.1% F.S. (23±5°C)
- Readout range : 0~±19999 digit adjustable
- Input resistance : >100 Mohm(< 2V range)  
>2Mohm(> 2V range)  
<100 ohm (current input)
- Maximum input : <600Vrms(>2V ranges)  
<150Vrms(>2V ranges)  
<150mA(current ranges)
- 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(output1)  
0~±5%F.S.(output2)
- Span (scale) range : 0~±9999 Digit adjustable(output2)  
0~±10%F.S.(output2)
- Temp. coefficient : 50ppm/°C (0~50°C)
- Display : Red high efficiency LEDs high 10.16mm (0.4")
- Isolation : Input/Output1/Output2/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/output1/output2/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)

