

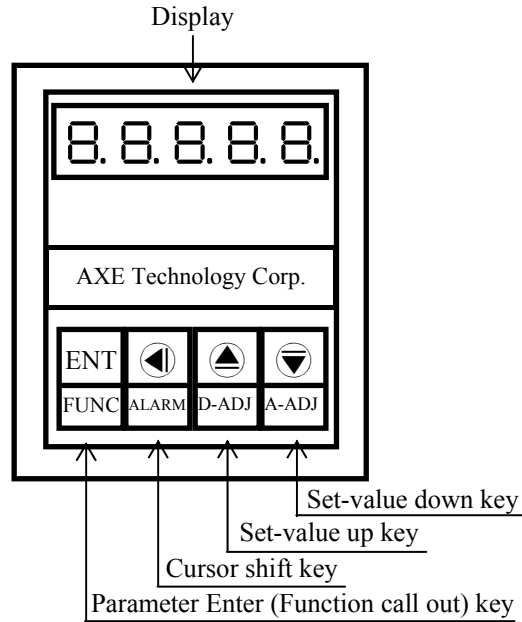
# AXE MICROPROCESS MATH FUNCTION ISOLATED TRANSMITTER MMT series

## ■ FEATURES

Math-function A+B,A-B,A\*B,A/B,A&B(Hi or Lo),|A|,  
 $\sqrt{A}$  etc...  
 Accuracy 0.1% F.S  
 Decimal point can be modified  
 A,B channel display value can be modified  
 A,B channel display value can be preview

15BIT DAC analog output can be modified,  
 Display average times can be modified(1~99)  
 0.40" highlight display  
 Man-machine interface, easy to operate  
 EEPROM saving, data safekeeping about 10 years  
 Modified inside parameter, must have pass code

## ■ Name Of Part



Key introduce	Operation Manual
Ⓜ key function	1. In normal display, the key function is call out setting group 2. In parameter setting page, the key function is data ENTER and goto next page
◀ key function	1. In normal display, the key function is call A&B channel preview page 2. Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press shift key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec ,press again, the cursor (twinkle express)is cycle moving left.(Key response about 0.2 sec.)
▶ key function	1. Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press shift key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec ,press again, the parameter data will increment .(Key response about 0.2 sec.)
▼ key function	1. In normal display, The key function is call out adjustment analog output page(AZERO&ASPAN) 2. Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press shift key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec ,press again, the parameter data will decrement .(Key response about 0.2 sec.)
▶&▼ key function	In setting group or setting page press▶&▼key return normal display, but if in setting page the modify data will be lost
No key in anything	In setting group or setting page no key in anything about 2 minutes, return normal display, but if in setting page the modify data will be lost

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1	Normal display	1 2 3 4 5	PressⓂ/FUNC key into P.COD setting page
1-1	P.COD(Pass Code) Default=0	P C 0 0	1. Key in 5 digit pass code with◀&▶&▼key 2. PressⓂkey, the pass code is right into TYPE setting page, otherwise return normal display
		0 0 0 0 0	
1-2	TYPE(Math Type) Default= $\sqrt{A}$	√ A B C	1. Decide math type ( $\sqrt{A}$ (SQR. A),  A  (ABS. A),A+B(ADD.AB), A-B(SUB.AB),A*B(MUL.AB),A/B(DIV.AB),A&BHI(AND.HI),A&BLO(AND.L O)) 2.PressⓂkey enter data and into DP setting page
		5 9 r R	
1-3	DP(Decimal Point) Default=0	0 P	1. Decide decimal point with▶&▼key(0~4) 2. PressⓂkey enter data and into ADSPL setting page
		□	

1-4	ADSPL(A Channel Display Lo) Default=0	R d S P L 0 0 0 0 0	1. Decide A Channel Display Lo with ◀&▲&▼key (-1999~1999) 2. Press Ⓜkey enter data and into ADSPL setting page
1-5	ADSPH(A Channel Display Hi) Default=19999	R d S P H 1 9 9 9 9	1. Decide A Channel Display Hi with ◀&▲&▼key (-1999~1999) 2. Press Ⓜkey enter data and into BDSPL setting page
1-6	BDSPL(B Channel Display Lo) Default=0	b d S P L 0 0 0 0 0	1. Decide B Channel Display Lo with ◀&▲&▼key (-1999~1999) 2. Press Ⓜkey enter data and into BDSPL setting page
1-7	BDSPH(B Channel Display Hi) Default=19999	b d S P H 1 9 9 9 9	1. Decide B Channel Display Hi with ◀&▲&▼key (-1999~1999) 2. Press Ⓜkey enter data and into AVG setting page
1-8	AVG (Average) Default=1	A v G 0 0 0 0 1	1. Decide display average times with ◀&▲&▼key (1~99) 2. Press Ⓜkey enter data and into LCUT setting page
1-9	LCUT (Low Cut) Default=0	L C U T 0 0 0 0 0	1. Decide Low Cut value with ◀&▲&▼key (0~99) 2. Press Ⓜkey enter data and into ANLO setting page
1-10	ANLO(Analog Output Zero-According to Display) Default=0	A n L o 0 0 0 0 0	1. Decide Analog Output Zero According to Display with ◀&▲&▼key (-1999~1999) 2. Press Ⓜkey enter data and into ANHO setting page
1-11	ANHI(Analog Output Span-According to Display ) Default=19999	A n H i 1 9 9 9 9	1. Decide Analog Output Span- According to Display with ◀&▲&▼key (-1999~1999) 2. Press Ⓜkey enter data and into CODE setting page
1-12	CODE(Code) Default=0	C o d e 0 0 0 0 0	1. Decide pass code with ◀&▲&▼key (0~19999) 2. Press Ⓜkey enter data and into LOCK setting page
1-13	LOCK(Panel Lock) Default=NO	L o c k n o	1. Decide panel lock with ▲&▼key (NO or YES) 2. Press Ⓜkey enter data and return math type setting page
Step	Parameter Mark Description	Parameter Mark	Operation Manual
2	Normal display	1 2 3 4 5	Press ▼/A-ADJ Key about 3 sec, into P.COD setting page
2-1	AZERO(Analog Output Zero Adjust) Default=0	A z e r o 0 0 0 0 0	1. Adjustment analog output zero with ◀&▲&▼key(±9999) 2. Press Ⓜkey enter data and into ASPAN adjustment page
2-2	ASPAN(Analog Output Span Adjust) Default=0	A s p a n 0 0 0 0 0	1. Adjustment analog output span with ◀&▲&▼key(±9999) 2. Press Ⓜkey enter data and return normal display
Step	Parameter Mark Description	Parameter Mark	Operation Manual
3	Normal display	1 2 3 4 5	Press ◀key about 3 sec, into A channel preview page
3-1	A CH.(A Channel preview)	A C H 1 2 3 4 5	1. Press Ⓜkey into B channel preview page
3-2	B CH.(B Channel preview)	b C H 1 2 3 4 5	1. Press Ⓜkey return normal display
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	A/D Converter error detect	A d e r	1. 1. Input signal over range (180%) 2. Inside circuit damage Please moving input signal if still display ADER, please contact us
2	Input over error detect	, o f l	Input signal over range(120%)
3	Input under error detect	- , o f l	Input signal under range(-120%)
4	Display over error detect	d o f l	Calculating result over display range 19999
5	Display under error detect	- d o f l	Calculation result under display range -19999
6	A channel display over range	A o f l	A Channel display over range 19999
7	A channel display under range	- A o f l	A Channel display under range -19999
8	B channel display over range	b o f l	B Channel display over range 19999
9	B channel display under range	- b o f l	B Channel display under range -19999
10	EEPROM Error detect	E - 0 0 n o y e s	1. .External interference when EEPROM read/write 2. EEPROM write over 100 million times(guarantee 10 years) Please power reset, if still display E-00,doing following step: 1. E-00 & No alternate display for inquire reset EEPROM 2. Decide Yes with ▲or▼key, press Ⓜkey return normal display EEPROM was reset, Please follow step 1~2 set again