AXE Microprocess Thermocouple Isolated Transmitter	TMT series

FEATURES

Accept more thermocouple type(K,J,E /R,S,B/T)	15BIT DAC analog output can be modified
Accuracy 0.2%F.S.± 0.5	Display average can be modified(1~99)
Sensor error compensation and burnout protection	0.40' highlight display
One digit decimal point can be modified	Man-machine interface, easy to operate
CJC traceability < ± 0.5	EEPROM saving data safekeeping about 10 years
UNIT / can be modified	Modified inside parameter must have pass code

Name of Parts

Display

AXE Technology Corp.

ENT ◀ ▲ ▼
FUNC ALARM D-ADJ A-ADJ

Set-value down
Set-value up
Cursor shift
Parameter Enter(Function call out)
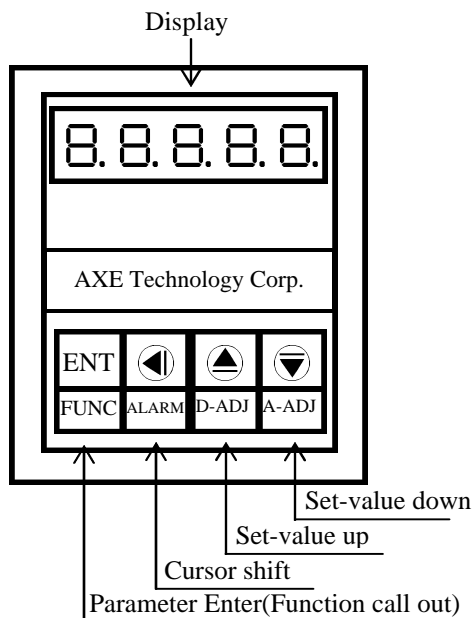
Key introduce	Operation Manual
ℍ key function	1.In normal display,the key function is call out setting group 2.In parameter setting page,the key function is data ENTER and goto next page
◀ key function	1.Into parameter setting page,the parameter mark&data is alternate display,If need modify data can 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.In normal display,The key function is call out adjustment temp. offset page (OFST) 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 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	12345	Press ℍ/FUNC key into P.COD setting page
1-1	P.COD(Pass Code input page)	P.Cod	1.Key in 5 digit pass code with ◀&▲&▼ key
		00000	2.Press ℍ key,the pass code is right into TYPE setting page , otherwise return normal display
1-2	TYPE(Tc Type setting page) Default = K/R/T	tYPE	1.Decide Tc type with ▲&▼ key(K,J, E/R,S, B/T)
		y	2.Press ℍ key enter data and into DP setting page
1-3	DP(Decimal Point setting page)Default = 0	dP	1.Decide Decimal point with ▲&▼ key(0-1)
		0	2.Press ℍ key enter data and into UNIT setting page

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1-4	UNIT(Temp. Unit setting page)Default =	Unit / oC	1. Decide Temp. Unit with ▲&▼ key(/) 2. Press ⓃⒾ key enter data and into CJC setting page
1-5	CJC (CJC Setting page)Default = ON	CJC / on	1. Decide CJC with ▲&▼ key(ON/OFF) 2. Press ⓃⒾ key enter data and into SAFE setting page
1-6	SAFE(Safe Mode setting page)Default = OFF	SAFE / oFF	1. Decide Safe mode with ▲&▼ key(ON/OFF) 2. Press ⓃⒾ key enter data and into AVG setting page
1-7	AVG (Average setting page)Default = 5	AuG / 00001	1.Decide display average times with ◀&▲&▼ key(1 to 99) 2.Press ⓃⒾ key enter data and into ANLO setting page
1-8	ANLO(A/O Zero According to Display setting page)Default=0	AnLo / 00000	1.Decide ANLO with ◀&▲&▼ key (-19999~19999) 2.Press ⓃⒾ key enter data and into ANHI setting page
1-9	ANHI(A/O Span According to Display setting page)Default=19999	AnHi / 19999	1.Decide ANHI with ◀&▲&▼ key(-19999~19999) 2.Press ⓃⒾ key enter data and into CODE setting group
1-10	CODE(Pass Code setting page)Default=0	CodE / 00000	1.Decide pass code with ◀&▲&▼ key(0 to 19999) 2.Press ⓃⒾ key enter data and into LOCK setting page
1-11	LOCK(Panel Lock setting page)Default=NO	LoCk / no	1.Decide panel lock with ▲&▼ key(NO or YES) 2.Press ⓃⒾ key enter data and return TYPE setting page

Step	Parameter Mark Description	Parameter Mark	Operation Manual
2	Normal display	12345	Press ▼ key about 3 sec.,into AZERO adjustment page
2-1	AZERO(Analog Output Zero Adjustment page)Default=0	12345 / APEro	1.Adjustment analog output zero with ◀&▲&▼ key(± 9999) 2.Press ⓃⒾ key enter data and into ASPAN adjustment page
2-2	ASPAN(Analog Output Span Adjustment page)Default=0	00000 / ASPAn	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	12345	Press ▲ key about 3 sec.,into OFST adjustment page
3-1	OFST(T. C Offset Adjustment page)Default = 0	oFSt / 00000.0	1.Adjustment T.C offset with ◀&▲&▼ key(± 99.9) 2.Press ⓃⒾ key enter data and return normal display

Appendix	Error Mark Description	Error Mark	Analyze & Description
1	Temp. over error detect	doFL	Temp. over T. C range
2	Temp. under error detect	-doFL	Temp. under T. C range
3	CJC over error detect	CoFL	CJC over range(0-100)
4	CJC under error detect	-CoFL	CJC under range(0-100)
5	Sensor burnout error detect	oPEn	T. C or CJC sensor burnout
4	EEPROM error detect	E-00 / no / YES	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 1-1~1-11 set again