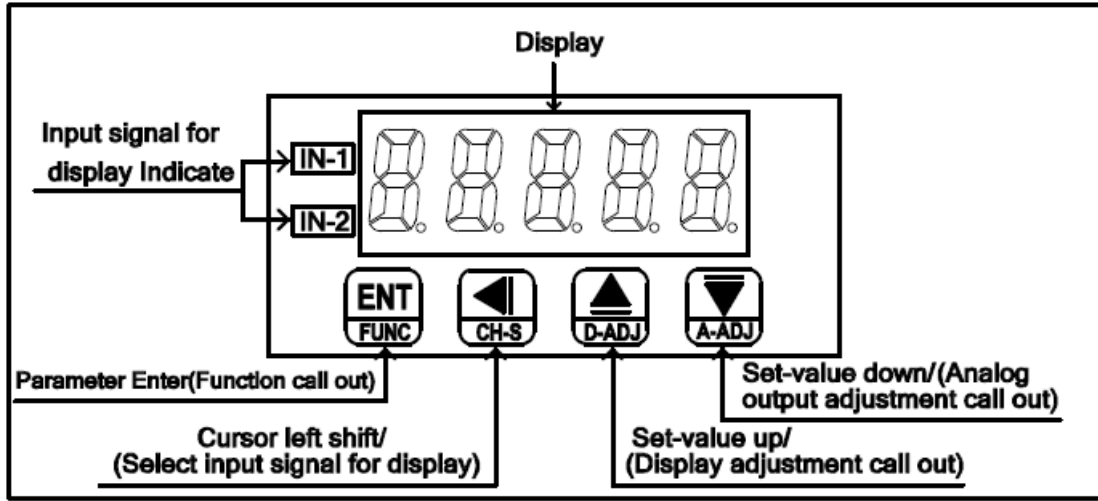


AXE SLIM TYPE TWO CHANNEL MICRRPROCESS ANALOG SIGNAL TRANSMITTER SDMAT series

■ Features

- ⊙ Measuring DCA/DCV/ACA/ACV/Potentiometer/Transmitter/ Load Cell/Resistor/etc.
- ⊙ Accuracy 0.05% F.S.±1 digit
- ⊙ Programmable rate -19999~99999 digit
- ⊙ Decimal point can be modified for each input value
- ⊙ Display average can be modified(1~99)
- ⊙ Dual independent 16 BIT DAC analog isolation output
- ⊙ 0.268" highlight display
- ⊙ Man-machine interface, easy to operate
- ⊙ Modified inside parameter must have pass code

■ Name of Parts



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, press ◀ key is select IN-1/IN-2 for display. 2.Into parameter setting page, the parameter mark & data is alternate display, If need modify data can press ◀ key into setting page, 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) Note: while CH-S=1, IN-2 do not display.
▲ Key function	1.In normal display, press ▲ key keep beyond 3 second, will call out adjustment display value page 2.Into parameter setting page, the parameter mark & data is alternate display, if need modify data can press ▲ key into setting procedure, the display is lock parameter data, this time must let off key about 0.2 sec, process again, the parameter data will be increment. (Key response about 0.2 sec.)
▼ Key function	1.In normal display, press ▼ key keep beyond 3 second, will call out adjustment Analog output value page 2. Into parameter setting page, the parameter mark & data is alternate display, if need modify data can press ▼ 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 be decrement.(Key response about 0.2 sec.)
▲&▼ Key function	In setting page, press ▲&▼ key will return normal display, but if in setting page the modify data will lost.
No key in anything	In setting page, no key in anything about 2 minutes, will return normal display

■ Inside parameter operate procedure

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1	Normal display	1 2 3 4 5	Press ⊕/FUNC key into P.CODE setting page
1-1	P.CODE(Pass Code) Default=0	P. C 0 d E □ □ □ □ □	1.Key in 5 digit pass code with ◀&▲&▼ key 2.Press ⊕key, if the pass code is correct then into CH-S setting page, otherwise, return normal display
1-2	CH-S(Channel Select) Default=2	□ H - S 2	1.Decide number of input channel with ▲&▼key (1~2) 2.Press ⊕key enter data and into DP1 setting page Note: While CH-S=2, AO1=Display of IN1, AO2=Display of IN2 CH-S=1, AO1/2 = Display of IN1
1-3	DP1(Decimal Point1) Default=0	d P ! □	1.Decide DP1 with ▲&▼ key(0~4) 2.Press ⊕key enter data and into DSPL1 setting page
1-4	DSPL1(Display1 Low Scale) Default=0	d S P L ! □ □ □ □ □	1.Decide DSPL1 with ◀&▲&▼ key(-19999~99999) 2.Press ⊕key enter data and into DSPH1 setting page
1-5	DSPH1(Display1 High Scale) Default=99999	d S P H ! 9 9 9 9 9	1.Decide DSPH1 with ◀&▲&▼ key (-19999~99999) 2.Press ⊕enter data and into DP2 setting page

1-6	DP2(Decimal Point2) Default=0	DP2	1.Decide DP2 with ▲&▼ key(0~4)
		□	2.Press Ⓜ enter data and into DSPL2 setting page Note: While CH-S=1, this page do not display
1-7	DSPL2(Display2 Low Scale) Default=0	DSPL2	1.Decide DSPL2 with ◀&▲&▼ key(-19999~99999)
		□□□□□	2.Press Ⓜ enter data and into DSPH2 setting page Note: While CH-S=1, this page do not display
1-8	DSPH2(Display2 High Scale) Default=99999	DSPH2	1.Decide DSPH2 with ◀&▲&▼ key(-19999~99999)
		99999	2.Press Ⓜ enter data and into AVG setting page Note: While CH-S=1, this page do not display
1-9	AVG (Average) Default=6	AVG	1.Decide AVG with ◀&▲&▼ key(1~99)
		□6	2.Press Ⓜ enter data and into LCUT setting page
1-10	LCUT (Low Cut) Default=0	LCUTE	1.Decide LCUT with ◀&▲&▼ (-99~99)
		□□	2.Press Ⓜ key enter data and into ANLO1 setting page Note:1.When LCUT is set to a positive value, the display value is positive and less than the setting, is displayed as 0 2.When LCUT is set to a negative value, the display value is negative and larger than the setting, is displayed as 0 3. When LCUT is set to 0, the function is turned off
1-11	ANLO1(Analog Output1 Zero - According to Display) Default=0	ANLO1	1.Decide ANLO1 with ▲&▼&◀ key (-19999~99999)
		□□□□□	2.Press Ⓜ key enter data and into ANHI1 setting page
1-12	ANHI1(Analog Output1 Span - According to Display) Default=99999	ANHI1	1.Decide ANHI1 with ▲&▼&◀ (-19999~99999)
		99999	2.Press Ⓜ key enter data and into ANLO2 setting page
1-13	ANLO2(Analog Output2 Zero - According to Display) Default=0	ANLO2	1.Decide ANLO2 with ▲&▼&◀ key (-19999~99999)
		□□□□□	2.Press Ⓜ key enter data and into ANHI2 setting page
1-14	ANHI2(Analog Output2 Span - According to Display) Default=99999	ANHI2	1.Decide ANHI2 with ▲&▼&◀ key (-19999~99999)
		99999	2.Press Ⓜ key enter data and into CODE setting page
1-15	CODE(Code) Default=0	CODE	1.Decide CODE with ◀&▲&▼ key (0~99999)
		□□□□□	2.Press Ⓜ key enter data and into LOCK setting page
1-16	LOCK(Panel Lock) Default=NO	LOCK	1.Decide LOCK with ▲&▼ key (NO or YES)
		□□	2.Press Ⓜ key enter data and return normal display

■ Outside function key operate procedure

Step	Parameter mark description	Parameter mark	Operation manual
2	Normal display	12345	Press ▲/D-ADJ key about 3 sec, into D1-Z adjustment page
2-1	D1-Z(Display1 Zero Adjust)	D1-Z	1.Adjustment IN-1 display zero with ▲&▼ key
		□□□□□	2.Press Ⓜ key save data and into D1-S adjustment page
2-2	D1-S(Display1 Span Adjust)	D1-S	1.Adjustment IN-1 display span with ▲&▼ key
		□□□□□	2.Press Ⓜ key save data and into D2-Z adjustment page
2-3	D2-Z(Display2 Zero Adjust)	D2-Z	1.Adjustment IN-2 display zero with ▲&▼ key
		□□□□□	2.Press Ⓜ key save data and into D2-S adjustment page Note: While CH-S=1, this page do not display
2-4	D2-S(Display2 Span Adjust)	D2-S	1.Adjustment IN-2 display span with ▲&▼ key
		□□□□□	2.Press Ⓜ key save data and return normal display Note: While CH-S=1, this page do not display
Step	Parameter mark description	Parameter mark	Operation manual
3	Normal display	12345	Press ▼/A-ADJ key about 3 sec, into AO1-Z adjustment page
3-1	AO1-Z(Analog Output1 Zero Adjust) Default=0	AO1-Z	1.Adjustment AO1 zero value with ▲&▼&◀ key (±6000)
		□□□□□	2.Press Ⓜ key save data and into AO1-S adjustment page

3-2	AO1- S(Analog Output1 Span Adjust) Default=0	AO1 - S	1.Adjustment AO1 span value with ▲&▼&◀ key (±6000) 2.Press Ⓜ key save data and into AO2-Z adjustment page
		□□□□□	
3-3	AO2-Z(Analog Output2 Zero Adjust) Default=0	AO2 - Z	1.Adjustment AO2 zero value with ▲&▼&◀ key (±6000) 2.Press Ⓜ key save data and into AO2-S adjustment page
		□□□□□	
3-4	AO2- S(Analog Output2 Span Adjust) Default=0	AO2 - S	1.Adjustment AO2 span value with ▲&▼&◀ key (±6000) 2.Press Ⓜ key save data and return normal display
		□□□□□	
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	Display over error detect	□□FL	Display over range(99999)
2	Display under error detect	-□□FL	Display under range(-19999)
3	Input over error detect	□□FL	Input signal over range
4	Input under error detect	-□□FL	Input signal under range
5	FLASH error detect	E - □□	1. External interference when FLASH read/write 2.FLASH write over 20000 times(guarantee 10 years) Please power reset, if still display E-00,doing following step: a.E-00 & No alternate display for inquire reset FLASH b.Decide Yes with ▲ key, press Ⓜ key return normal display c.FLASH was reset, Please follow step 1~3 set again
		□□	
		YES	