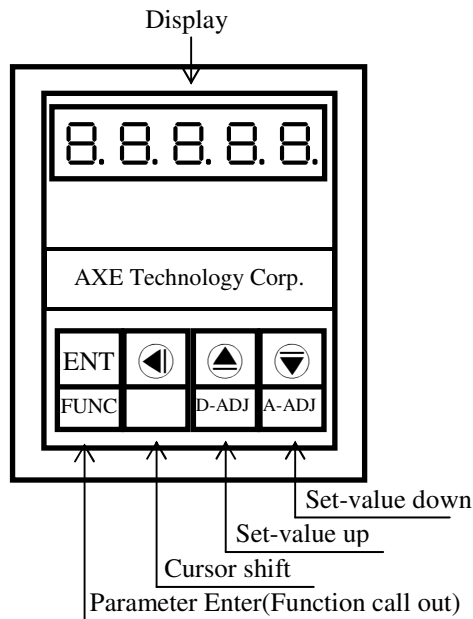


■Features

- ⊙ Measuring DCA/DCV/ACA/ACV/Potentiometer/Pt-100/ Transmitter/Load Cell/Resistor....etc
- ⊙ Accuracy 0.1% F.S
- ⊙ Decimal point can be modified
- ⊙ Display range -19999~19999 can be modified
- ⊙ Display average times can be modified(1~99)
- ⊙ Display value have LOW CUT function
- ⊙ 16BIT DAC analog output can be modified
- ⊙ 0.40" LED highlight display
- ⊙ Man-machine interface, easy to operate
- ⊙ EEPROM Saving, data safekeeping about 10 years
- ⊙ 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. 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 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 display value(DZERO&DSPAN)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 increment.
▼ Key Function	1. In normal display, The key function is call out adjustment analog output (AZERO&ASPAN)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 decrement
▲&▼ 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

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 input page) Default=0	P. C 0 0 □ □ □ □ □	1. Key in 5 digit pass code with ◀ or ▲ or ▼ key 2. Press ⊙ key, the pass code is right into setting group , otherwise return normal display
1-2	DP(Decimal Point) Default=0	□ P □	1. 1. Decide decimal point position with ▲ or ▼ key (0 to 4) 2. Press ⊙ key enter data and into DSPL setting page

1-3	DSPL(Display Low Scale) Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">d S P L</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide display low scale with ◀&▲&▼key (-19999~19999) 2. Press Ⓜkey enter data and into DSPH setting page
1-4	DSPH(Display High Scale) Default=19999	<div style="border: 1px solid black; padding: 2px; display: inline-block;">d S P H</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1 9 9 9 9</div>	1. Decide display high scale with ◀&▲&▼key (-19999~19999) 2. Press Ⓜkey enter data and into AVG setting page
1-5	AVG (Average) Default=5	<div style="border: 1px solid black; padding: 2px; display: inline-block;">R u 0</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 5</div>	1. Decide display Average times with ◀&▲&▼key (1~99) 2. Press Ⓜkey enter data and into LCUT setting page
1-6	LCUT (Low Cut) Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">L C U T</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide display low cut with ◀&▲&▼key (0~99) 2. press Ⓜkey into ANLO setting page Display value below LCUT will cut to 0, if LCUT =0 function disable.
1-7	ANLO(Analog Output Zero- According to Display) Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">R n L 0</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide ANLO with ◀&▲&▼key(-19999~19999) 2. Press Ⓜkey enter data and into ANHI setting page
1-8	ANHI(Analog Output Span- According to Display) Default=19999	<div style="border: 1px solid black; padding: 2px; display: inline-block;">R n H 1</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1 9 9 9 9</div>	1. Decide ANHI with ◀&▲&▼key(-19999~19999) 2. Press Ⓜkey enter data and into CODE setting page
1-9	CODE(Code) Default= 0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">C o d e</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide Pass code with ◀&▲&▼key (0~19999) 2. Press Ⓜkey enter data and into LOCK setting page
1-10	LOCK(Panel Lock) Default= NO	<div style="border: 1px solid black; padding: 2px; display: inline-block;">L o c k</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">n o</div>	1. Decide panel lock with ▲or▼ key (NO or YES) 2. Press Ⓜkey enter data and return DP(Decimal Point) setting group
Step	Parameter mark description	Parameter mark	Operation manual
2	Normal display	1 2 3 4 5	Press ▲/D-ADJ key about 3 sec, into DZERO adjustment page
2-1	DZERO(Display Zero Adjust) Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">d P E r 0</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Adjustment display zero with ▲&▼key 2. Press Ⓜkey enter data and into DSPAN adjustment page
2-2	DSPAN(Display Span Adjust) Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">d S P R n</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Adjustment display span with ▲&▼key 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 ▼/A-ADJ key about 3 sec, into AZERO adjustment page
3-1	AZERO(Analog Output Zero Adjust) Default = 0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">R P E r 0</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Adjustment analog output zero with ◀&▲&▼ key(±6000) 2. Press Ⓜkey enter data and into ASPAN adjustment page
3-2	ASPAN(Analog Output Span Adjust) Default = 0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">R S P R n</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Adjustment analog output span with ◀&▲&▼ key(±6000) 2. Press Ⓜkey enter data and return normal display
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	ADC Input error detect	R d E r	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	1 0 F L	Input signal over range(120%)
3	Input under error detect	- 1 0 F L	Input signal under range(-120%)
4	Display over error detect	d 0 F L	Display over range (19999)
5	Display under error detect	- d 0 F L	Display under range(-19999)
6	EEPROM error detect	<div style="border: 1px solid black; padding: 2px; display: inline-block;">E - 0 0</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">n o</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">Y E S</div>	1. External interference when EEPROM read/write 2. EEPROM write over one 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 ▲&▼ key, press Ⓜ key return normal display 3. EEPROM was reset, Please follow step 1~3 set again