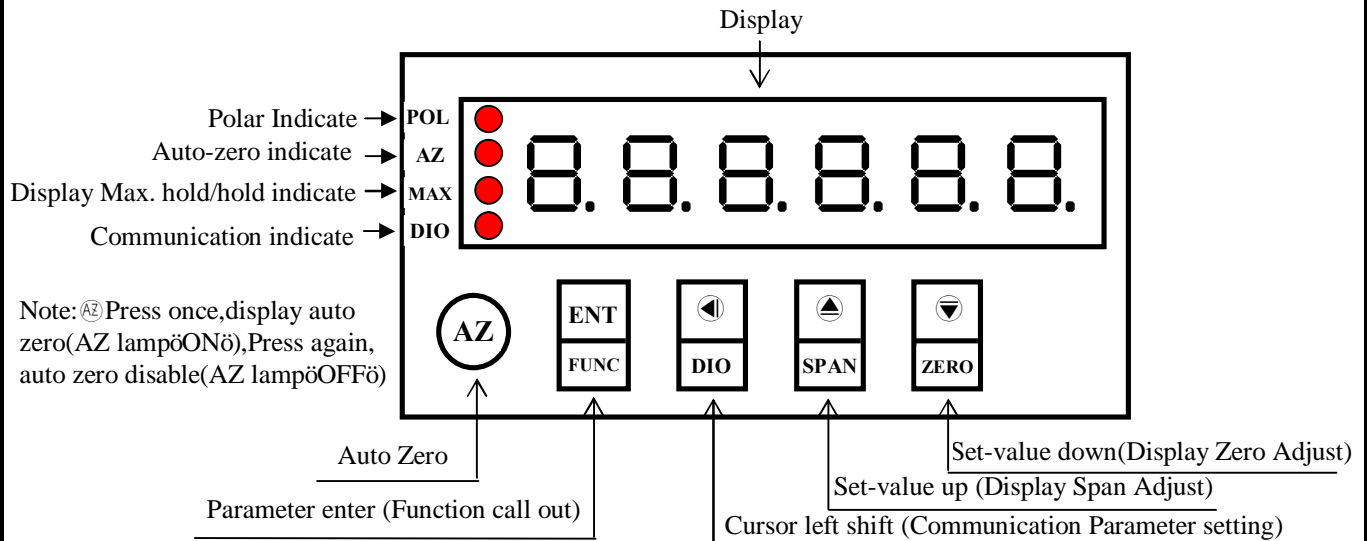


Features

- ⊙ Measuring DCA/DCV/ACA/ACV/Potentiometer/ Transmitter/Load Cell...etc
- ⊙ Accuracy 0.015% F.S.(uni-diretion display),0.03% F.S.(bi-diretion display) ±3 digit
- ⊙ Display range -999999~999999 can be modified
- ⊙ Auto zero and Max. hold/hold function
- ⊙ Display average can be modified(1~99)
- ⊙ RS485 communication interface,Protocol MODBUS RTU MODE
- ⊙ BAUD RATE:38400/19200/9600/4800/2400
- ⊙ Decimal point can be modified
- ⊙ 0.56" 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 parameter setting page 2.In parameter setting page, the key function is data enter and go to next page
◀ Key Function	1.In normal display,The key function is call out RS-485 Communication Parameter setting page 2.In 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 span value page 2.In 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 response about 0.2 sec)
▼ Key Function	1.In normal display, The key function is call out adjustment display zero 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 decrement. (Key Response about 0.2 sec)
▲&▼ Key Function	1.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	1.In setting page no key in anything about 1 minutes return normal display

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1	Normal display	1 2 3 4 5 6	Press ⊞ key into P.CODE input page
2	P.CODE(Pass code input page) Default=0	P . C O D E	1.Key in 6 digit pass code with ◀&▲&▼ key 2.Press ⊞ key, the pass code is right, into DP setting page, otherwise return to normal display
		0 0 0 0 0 0	
3	DP(Decimal Point) Default=0	d P	1.Decide decimal point position with ▲&▼ key (0 to 5) 2.Press ⊞ key enter data and into DSPL setting page
		.	
4	DSPL(Display Low Scale) Default=0	d S P L	1.Decide display low scale with ◀&▲&▼ key (-999999~999999) 2.Press ⊞ key enter data and into DSPH setting page
		0 0 0 0 0 0	

5	DSPH(Display High Scale) Default=999999	DSPH	1.Decide display high scale with ◀&▲&▼ key (-999999~999999) 2.Press Ⓜ key enter data and into AVG setting page
		999999	
6	AVG (Average) Default=8	AVG	1.Decide display Average times with ◀&▲&▼ key (1~99) 2.Press Ⓜ key enter data and into LCUT setting page
		08	
7	LCUT (Low Cut) Default=0	LCUT	1.Decide display low cut with ◀&▲&▼ key (0~999) 2.Press Ⓜ key enter data and into FUN.SEL setting page
		000	
8	FUN.SEL(Function select) Default=AZ	FUNSEL	1.Decide Terminal Function select with ▲&▼ key(Auto-zero=AZ/ Hold=HD/MAX.Hold=MAX.HD) 2.Press Ⓜ key enter data and into CODE setting page
		AP	
9	CODE(Pass Code) Default=0	CODE	1.Decide Pass code with ◀&▲&▼ key (0~999999) 2.Press Ⓜ key enter data and return to normal display
		000000	

Step	Parameter mark description	Parameter mark	Operation manual
10	Normal display	123456	Press ◀/DIO key about 3 sec, into ADDR setting page
10-1	ADDR(Communication ó Address) Default=0	ADDR	1.Decide Communication Address with ◀&▲&▼ key (0~255) 2. Press Ⓜ key enter data and into BAUD setting page
		000	
10-2	BAUD(Communication Baud Rate) Default=19200	BAUD	1.Decide Communication Baud Rate with ▲&▼ key (38400,19200, 9600,4800,2400) 2. Press Ⓜ key enter data and into PARI setting page
		19200	
10-3	PARI(Communication Parity Check) Default=n.8.2.	PARI	1.Decide Communication Parity Check with ▲&▼ key (n.8.2.,n.8.1.,even,odd) 2. Press Ⓜ key enter data and return to normal display
		n.8.2.	

Step	Parameter mark description	Parameter mark	Operation manual
11	Normal display	123456	Press ▼/ZERO key about 3 sec, into DZERO adjustment page
11-1	DZERO(Display Zero Adjust) Default=0	DZERO	1.Adjustment display zero with ▲ or ▼ key 2.Press Ⓜ key enter data and return to normal display Note: Adjust DZERO value while minimum display value error
		000000	

Step	Parameter mark description	Parameter mark	Operation manual
12	Normal display	123456	Press ▲/SPAN key about 3 sec, into DSPAN adjustment page
12-1	DSPAN(Display Span Adjust) Default=0	DSPAN	1.Adjustment display span with ▲ or ▼ key 2.Press Ⓜ key enter data and return to normal display Note: Adjust DSPAN value while maximum display value error
		999999	

Appendix	Error Mark Description	Error Mark	Analyze & Description
1	Input over error detect	IOFL	Input signal over range (120%)
2	Input under error detect	-IOFL	Input signal under range (-20%)
3	Display over error detect	DOFL	Display over range(999999)
4	Display under error detect	-DOFL	Display under range(-999999)
5	A/D Converter error detect	ADER	1. Input signal over range (145%) 2. Inside circuit damage Please moving input signal if still display ADER, please contact us
6	EEPROM error detect	E-00	1.External interference when EEPROM read/write 2.EEPROM write over 1 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 3.EEPROM was reset, Please follow step 1~12 set again
		n0	
		YES	

MM6 Modbus RTU Mode Protocol Address Map

Data format 16Bit/32Bit,sign bit 8000~7FFF(-32768~32767),80000000~7FFFFFFF(-2147483648~2147483647)

Address	Name	Description	Accept
0000	DP	Decimal Point,Input Range 0000~0005(0~5) 0:10 ⁰ ,1:10 ⁻¹ ,2:10 ⁻² ,3:10 ⁻³ ,4:10 ⁻⁴ ,5:10 ⁻⁵	R/W
0001	AVG	Display Average times,Input Range 0001~0063(1~99)	R/W
0002	LCUT	Display low cut,Input Range 0000~03E7(0~999)	R/W
0003	FUN.SEL	Terminal Function select,Input Range 0000~0002(0~2) (0:AZ,1:HD,2:MAX.HD)	R/W
0004	ADDR	Communication Address,Input Range 0000~00FF(0~255)	R/W
0005	BAUD	Communication Baud Rate,Input Range 0000~0004(0~4) 0:38400,1:19200,2:9600,3:4800,4:2400	R/W
0006	PARI	Communication Parity Check,Input Range 0000~0003(0~3) 0:N.8.2.,1:N.8.1.,2:EVEN,3:ODD	R/W
0007	CODE	Pass code,Input Range 00000000~000F423F(0~999999) high word	R/W
0008		Pass code,Input Range 00000000~000F423F(0~999999) low word	R/W
0009	DSPL	Display Low Scale,Input Range FFF0BDC1~000F423F (-999999~999999) high word	R/W
000A		Display Low Scale,Input Range FFF0BDC1~000F423F (-999999~999999) low word	R/W
000B	DSPH	Display High Scale,Input Range FFF0BDC1~000F423F (-999999~999999) high word	R/W
000C		Display High Scale,Input Range FFF0BDC1~000F423F (-999999~999999) low word	R/W
000D	AZ	Display Auto zero,Display Range FFF0BDC1~000F423F (-999999~999999) high word	R
000E		Display Auto zero,Display Range FFF0BDC1~000F423F (-999999~999999) low word	R
000F	STATUS	Display & function status,Display Range 0000~01FF(0~511)(Bit0:DOFL,Bit1:-DOFL,Bit2:IOFL, Bit3:-IOFL,Bit4:ADER,Bit5:AZ,Bit6:HD,Bit7:MAX.HD,Bit8:TKEY)	R
0010	HD	Display Hold,Display Range FFF0BDC1~000F423F (-999999~999999) high word	R
0011		Display Hold,Display Range FFF0BDC1~000F423F (-999999~999999) low word	R
0012	MAX.HD	Display maximum Hold,Display Range FFF0BDC1~000F423F (-999999~999999) high word	R
0013		Display maximum Hold,Display Range FFF0BDC1~000F423F (-999999~999999) low word	R
0014	DISPLAY	Display Value,Display Range FFF0BDC1~000F423F (-999999~999999) high word	R
0015		Display Value,Display Range FFF0BDC1~000F423F (-999999~999999) low word	R