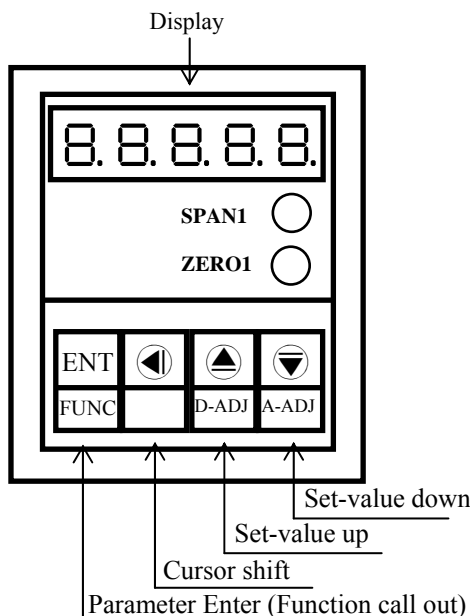


■ FEATURES

- ⊙ Math-function \sqrt{A} , $|A|$, $A + B$, $A - B$, $A * B$, A / B , $A \& B$ (HI OR LO)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
- ⊙ 16BIT 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 ◀ key into setting procedure, The display is lock parameter data, this time must let off key about 0.2sec , 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 A&B channel 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 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 ▼ 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 O D 0 0 0 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
1-2	TYPE(Math Type) Default= \sqrt{A}	√ A B E S Q R A	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), $A\&B$ HI(AND.HI), $A\&B$ LO(AND.LO)) 2. Press ⊙ key enter data and into DP setting page
1-3	DP(Decimal Point) Default=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	A D S P L 0 0 0 0 0	1. Decide A Channel Display Lo with ◀ & ▲ & ▼ key (-19999~19999) 2. Press ⊙ key enter data and into ADSPH setting page
1-5	ADSPH(A Channel Display Hi) Default=19999	A D S P H 1 9 9 9 9	1. Decide A Channel Display Hi with ◀ & ▲ & ▼ key (-19999~19999) 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 (-19999~19999) 2. Press Ⓜkey enter data and into BDSPL setting page
1-7	BDSPLH(B Channel Display Hi) Default=19999	b d S P H 1 9 9 9 9	1. Decide B Channel Display Hi with ◀&▶&▼key (-19999~19999) 2. Press Ⓜkey enter data and into AVG setting page
1-8	AVG (Average) Default=5	A U C 0 0 0 0 5	1. Decide display average times with ◀&▶&▼key (1~99) 2. Press Ⓜkey enter data and into LCUT setting page
1-9	LCUT (A&B channel Low Cut) Default=0	L C U T 0 0 0 0 0	1. Decide A&B channel 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 (-19999~19999) 2. Press Ⓜkey enter data and into ANHI 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 (-19999~19999) 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 TYPE(math type) setting page
Step	Parameter Mark Description	Parameter Mark	Operation Manual
2	Normal display	1 2 3 4 5	Press ▲/D-ADJ key about 3 sec, into CHA.DZ adjustment page
2-1	CHA.DZ (A Channel Display Zero Adjust) Default=0	C H A d Z 0 0 0 0 0	1. A Channel Adjustment display zero with ▶&▼key 2. Press Ⓜkey enter data and into CHA.DS adjustment page
2-2	CHA.DS (A Channel Display Span Adjust) Default=0	C H A d S 0 0 0 0 0	1. A Channel Adjustment display span with ▶&▼key 2. Press Ⓜkey enter data and into CHB.DZ adjustment page
2-3	CHB.DZ (B Channel Display Zero Adjust) Default=0	C H b d Z 0 0 0 0 0	1. B Channel Adjustment display zero with ▶&▼key 2. Press Ⓜkey enter data and into CHB.DS adjustment page
2-4	CHB.DS (B Channel Display Span Adjust) Default=0	C H b d S 0 0 0 0 0	1. B Channel 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 Output2 AZERO adjustment page
3-1	AZERO(Analog Output2 Zero Adjust) Default=0	A Z E R o 0 0 0 0 0	1. Adjustment analog output2 zero with ◀&▶&▼key(±6000) 2. Press Ⓜkey enter data and into Output2 ASPAN adjustment page
3-2	ASPAN(Analog Output2 Span Adjust) Default=0	A S P A n 0 0 0 0 0	1. Adjustment analog output2 span with ◀&▶&▼key(±6000) 2. Press Ⓜkey enter data and return normal display
Step	Parameter Mark Description	Parameter Mark	Operation Manual
4	Normal display	1 2 3 4 5	Press ◀key about 3 sec, into A channel preview page
4-1	A CH.(A Channel preview)	A C H 1 2 3 4 5	Press Ⓜkey into B channel preview page
4-2	B CH.(B Channel preview)	b C H 1 2 3 4 5	Press Ⓜkey return normal display
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	A/D Converter error detect	A 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	, 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 1~3 set again

※ Note:When Setting Analog Output2 and Output1,Please setting Analog Output2 with AZERO & ASPAN digital adjustment priority,and then Setting Analog Output1 with ZERO1 & SPAN1 variable resistance adjustment