

Digital display instrument YB04



Features

- Measurement and control instrument with all kinds of analog output sensor transmitter, complete pressure, liquid level, temperature, humidity, moisture content and other physical quantities of measurement, display and control.
- The error is less than 0.5% F.S, and it has the functions of adjustment and digital filtering. Applicable to standard voltage, current, thermal resistance, thermocouple and other signal types.

Specifications

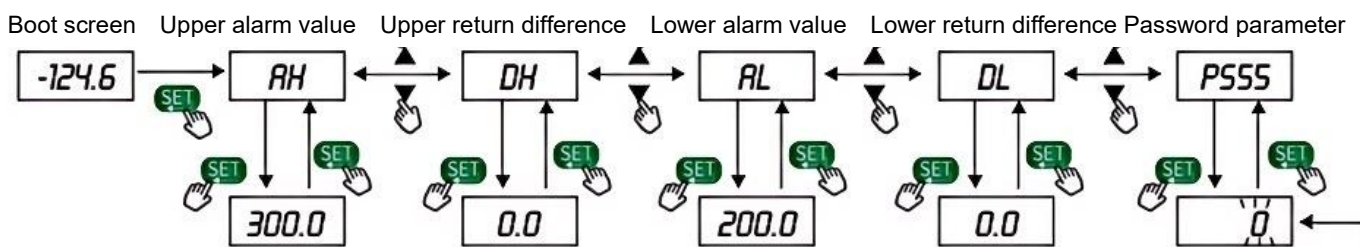
Type	YB04
Power supply	200VAC~265VAC (customizable DC24V) Low power consumption less than 6W
Working environment	0°C~50°C, temperature below 90%R.H, no condensation
Display range	-1999 ~9999, decimal point position can be set
Input signal	Universal input, can be selected by parameter setting
Basic error	less than 0.5%F.S
Measurement cycle	0.2 seconds
Communication output	RS485
Alarm output	4-point relay output, contact capacity 2.5A

Enter the index type table

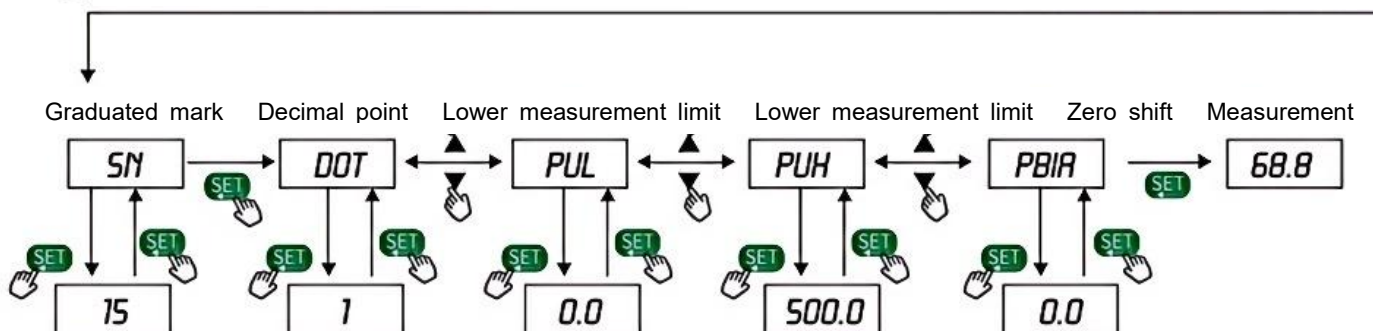
Symbol	Input	Range	Symbol	Input	Range	Symbol	Input	Range
00	S	0~1600℃	08	PT100	-200~850℃	16	mV non-standard signal	0~100mV
01	R	0~1600℃	09	Cu50	-50~150℃	17	Resistance R non-standard signal	0~400 Ω
02	B	200~1800℃	10	0~5V	-999~9999	18	Frequency f non-standard signal	0~3000Hz
03	K	0~1300℃	11	1~5V	-999~9999	19	0-5v square root	-999~9999
04	N	0~1300℃	12	-----	customizable	20	1~5Vsquare root	-999~9999
05	E	0~800℃	13	0~10mA	-999~9999	21	0~10mAsquare root	-999~9999
06	J	0~650℃	14	0~20mA	-999~9999	22	4~20mAsquare root	-999~9999
07	T	-200~400℃	15	4~20mA	-999~9999	23	Fully switched input	

Operate the flow path

① One level control parameter (entry) operation



② Secondary internal parameter (entry) operation Password Enter 555 to enter the second level parameter



③ Set key points

Press SET to enter the setting state; Press SET to save; Use ▶ ▼ ▲ Enter password and parameter Settings;

Press ▶ to shift in parameter setting; Press ▼ to turn over the next parameter and set value plus one; Press ▲ reversible to return the previous parameter and set value minus one.

- Level 1 control parameters (how to enter Level 1 parameters see the operation flow chart)

Symbol	Name	Setting range	Instructions	Factory default value
AH	Upper alarm value	-1999~9999	Displays the alarm Settings for the upper alarm	300.0 or 50.0
DH	Upper alarm return difference	0~9999	Displays the return difference of the upper alarm	0.0 or 0.0
RL	Lower alarm value	-1999~9999	Displays the alarm Settings for the lower alarm	200.0 or 100.0
DL	Lower alarm return difference	0~9999	Displays the return difference of the lower limit alarm	0.0 or 0.0
RHH	Upper upper alarm value	-1999~9999	Displays the alarm Settings for the upper limit alarm	400.0 or 50.0
DHH	Upper limit alarm return difference	0~9999	Displays the return difference of the upper alarm	0.0 or 2.0
RLL	Lower limit alarm value	-1999~9999	Displays the alarm Settings for the lower limit alarm	100.0 or 50.0
DLL	Lower limit alarm return difference	0~9999	Displays the return difference of the lower and lower alarm	0.0 or 2.0
P555	Password parameter	555	Enter the secondary internal parameter setting	0

- Second level internal parameters (how to enter the second level parameters see the operation flow chart, note: non-engineering personnel, can not modify the internal, so as not to cause instrument control errors.)

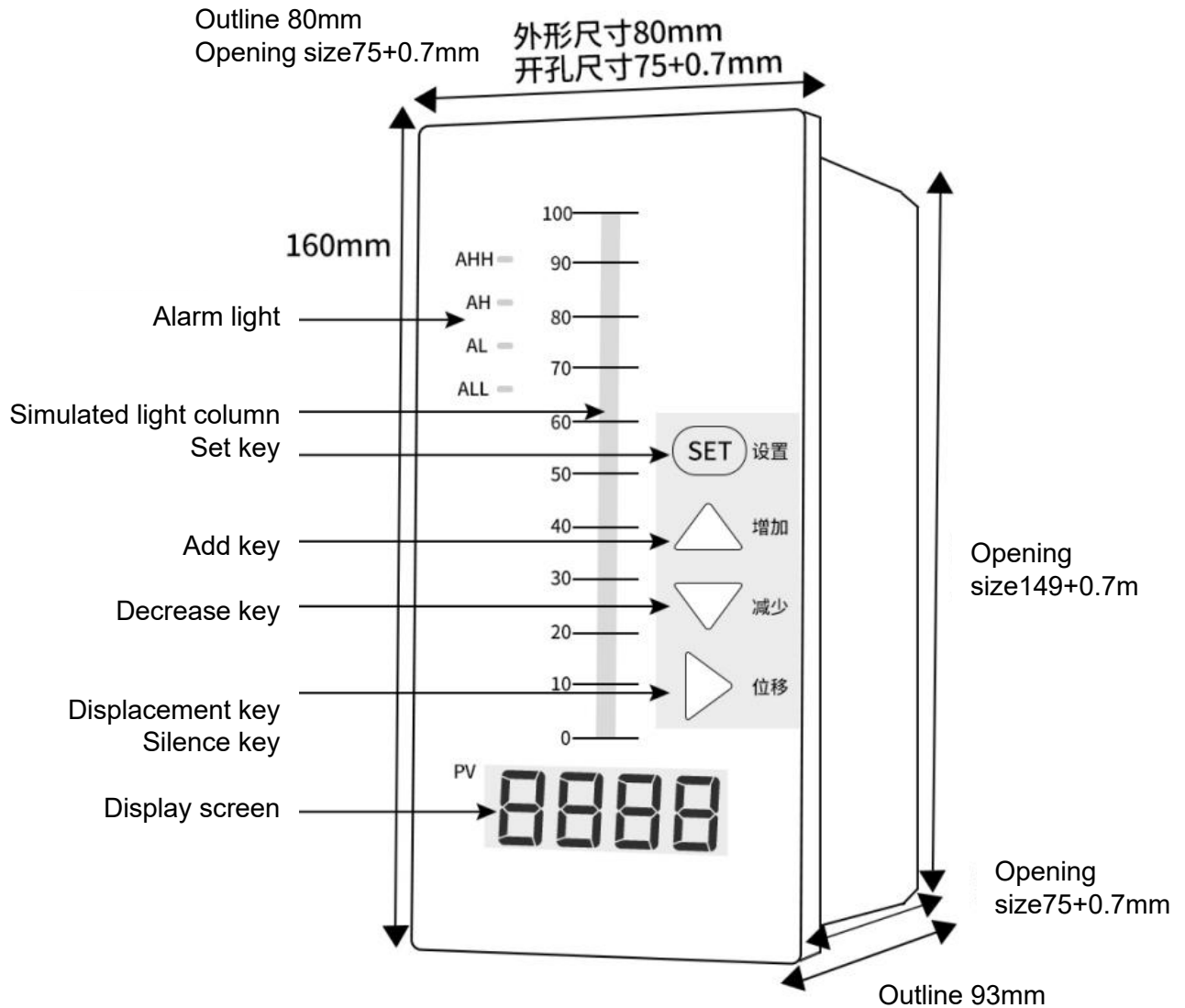
Symbol	Name	Setting range	Factory default value
5N	Enter the index number	0~22	Set the input index
00T	Decimal point	00T=0	No decimal point
		00T=1	Decimal point in tens (show XXX.X)
		00T=2	Decimal point in hundreds (show XX.XX)
		00T=3	Decimal point in thousands (show x.XX)
PUL	Measure the lower limit of range	-1999~9999	Set the lower measurement range of the input signal
PUH	Measure the upper limit of the range	-1999~9999	Set the upper measurement range of the input signal
P8IR	Displays input zero migration	Full range	Set the amount of migration of input zeros
FILT	Filtering coefficient	0.100~0.900	The setting cannot exceed 0.900, otherwise an error will occur
K1	Displays the input range ratio	0~1.999 times	Set the display input range amplification ratio
OU-8	The first transmission output	OU-R=1(0~10MA) OU-R=2(4~20MA) OU-R=3(0~20MA)	The corresponding measurement value is linear output
OU-L	Upper limit and lower limit of transmission/light column range	Full range	

0U-H	Upper limit and lower limit of transmission/light column range	Full range	
PH	Upper alarm type	Hundreds place: 0 Monitors the PV	The normal factory value is 0001
		Tens place: 0 when the alarm is closed 1 when the alarm is disconnected	
		Units: 0 Disable alarm 1 High alarm 2 Low alarm	
PL	Lower alarm type	The definition is the same as the PH term	The normal factory value is set to 0002
PHH	Lower limit alarm type	The definition is the same as the PH term	Normal factory value is set to 0001
PLL	Lower limit alarm type	The definition is the same as the PH term	The normal factory value is set to 0002
INPH	Non-standard signal input maximum value	10~100mV;10~4002;2~300Hz	Normal factory value is set to 100.0
INPL	Non-standard signal input minimum	0~90mV;0~3900;0~2998Hz	Normal factory value is set to 0.0
88U0	Communication baud rate	0=0~1200bps;1=2400bps	Communication hour speed Usually 3=9600bps
		2=4800bps;3=9600bps	
10	Mailing address	1~64	Device address number

Model Code Selection Table

Part	Number
Selection Type	YB04
Power	V1: DC24V V2: AC200V~265V
Alarm:	A: No alarm B: Four groups of alarm output

Size



● Face board operation description

① Alarm indicator:	AH upper limit, AL lower limit, AHH upper limit, ALL lower limit
Four-way relay alarm lights when there is output.	
② Simulated light column:	0%-100% corresponds to the percentage of measuring range.
③ Set key:	In the parameter setting state, save the parameter. Press three seconds to enter the Settings.
④ Add key:	Add one to modify the value in the parameter setting state, and view the parameter in the internal sequence.
⑤ Reduce key:	Modify the value in the parameter setting state minus one, and view the parameter when the internal inverse.
⑥ Displacement key:	Parameter setting state for blinking cursor shift.
The custom buzzer alarm can be used as a muffler button	
⑦ Display screen:	Display real-time measurement value, internal status display, parameter symbol.