

Display Scaling Meter DB - DISPLAY BARGRAPH

I .production intruduction

- 1.Industrial grade ARM single chip microcomputer,American POWER managment chip ,Long-term, reliable work.
- 2.Thermal resistance,thermonuclear full range measurement, standard current, standard voltage range arbitrarily set .
- 3.The 40 super bright LED light dictator indicate measurements .
- 4.four road relay alarm output, the four kinds of alarm way can be choose low, high model, the inside or outside of range.
- 5.can be set to low-low,low,high,high-high control .
- 6.High speed analog quantity transmitting output, transmission range.

II.Specifications

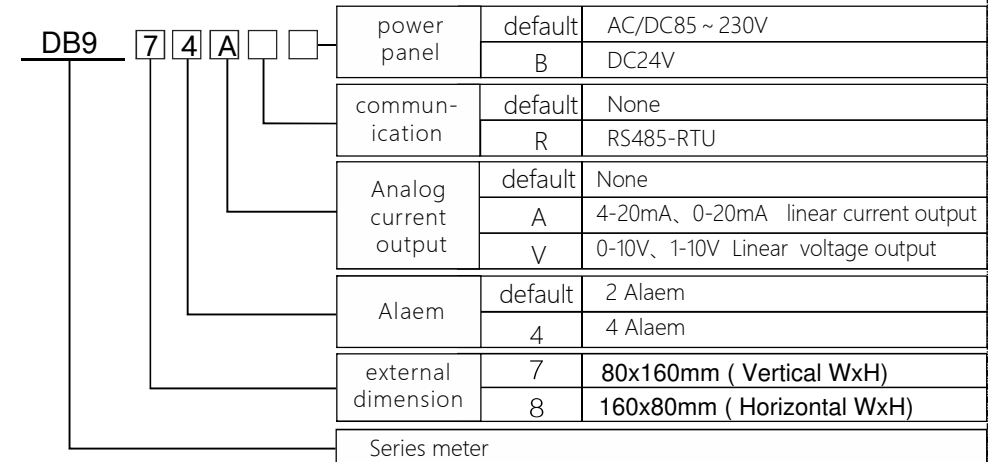
- 1.power supply voltage:AC/DC85~230V
- 2.accuracy: 0.2%FS
- 3.precision: 0.5%FS
4. Sampling rate: 5/s
- 5.Input signal

Input	Code	Input	Code
T	t -t	Cu50	C u 50
R	t -r	0-375Ω	375
J	t -J	DC0-75mV	0-75
WAR325	t -W	DC0-30mV	0-30
B	t -b	DC0-5V	5 u
S	t -S	DC0-10V	10 u
K	t -K	DC0-20mA	0-20
E	t -E	DC0-10mA	0-10
Pt100	P 100	DC4-20mA	4-20

- 6.Simulation of light: 40 super bright LED light dictator
- 7.Feed output: DC24V/50mA
- 8.Transmitting Output: 0~20mA, 4~20mA, 0-10V
- 9.Communication rule: RS485(RTU agreement)
- 10.Relay shock: AC250V 7A
- 11.working temperature: -10~50℃
- 12.Shape and aperture size: two shapes as follow:

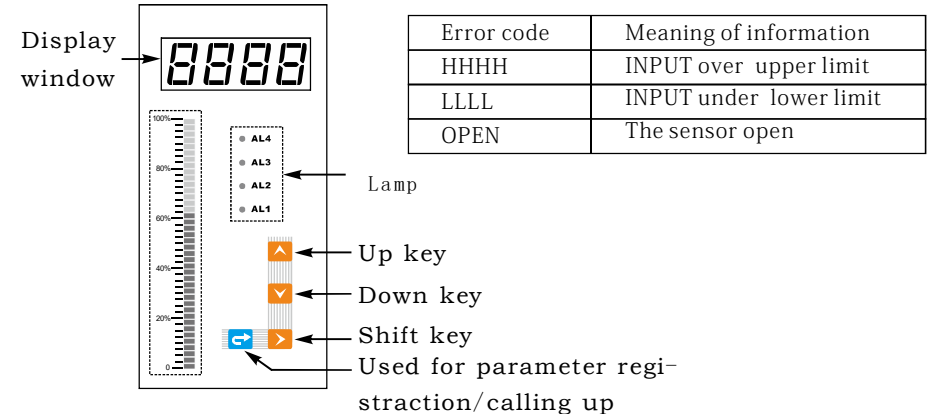
Model	Outline Size (mm)	Open hole(mm)
DB97	80×160×95	75×150
DB98	160×80×95	150×75

III.Model description and Main Functions

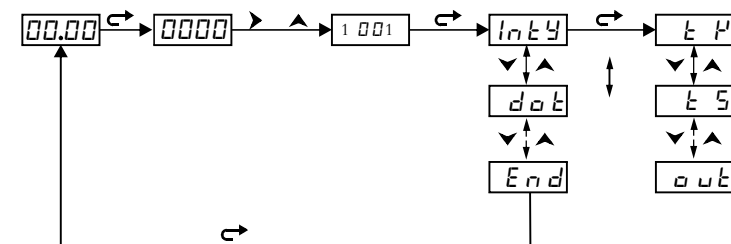


IV.Panel description and setting method

1.Operation panel description



2.Flowchart of Setting



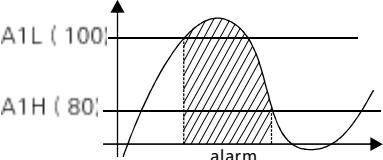
V. Input and output setting; pass:1001

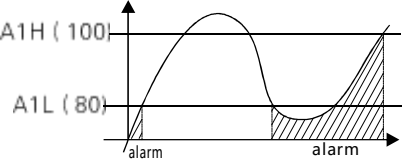
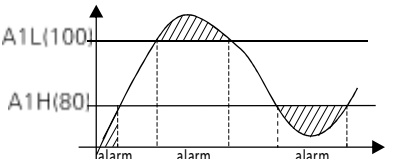
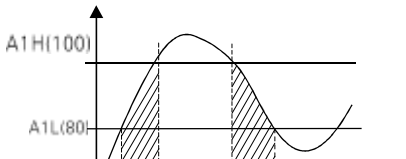
Menu	Meaning	Default value
<i>IntY</i>	Input Type	P100
<i>dot</i>	Decimal Point	1
<i>PL</i>	Zero value	000.0
<i>PH</i>	Full value	500.0
<i>outY</i>	Output Type	4~20
<i>outL</i>	Lower Limit Of transmitting Ouput	PL~PH
<i>outH</i>	Lower Limit Of transmitting Ouput	PL~PH
<i>PSbL</i>	Zero calibration	000.0
<i>PSbH</i>	Full calibration	500.0
<i>FILE</i>	filter coefficient	01
<i>baud</i>	Communication baud rate	9600
<i>Id</i>	virtual address	001
<i>End</i>		

VI. Instrucment settings alarm parameters;Pass:2002

menu	Meaning	Default value
<i>R1LY</i>	RelayAl1 Type	U-D
<i>R2LY</i>	RelayAl2 Type	U-D
<i>R3LY</i>	RelayAl3Type	U-D
<i>R4LY</i>	RelayAl4 Type	U-D
<i>R1L</i>	Relay Al1 pull-in set value	1000
<i>R1H</i>	Relay Al1 drop out set value	750
<i>R2L</i>	Relay Al2 pull-in set value	2000
<i>R2H</i>	Relay Al2 drop out set value	1750
<i>R3L</i>	Relay Al3 pull-in set value	3000
<i>R3H</i>	Relay Al3 drop out set value	2750
<i>R4L</i>	Relay Al4 pull-in set value	4000
<i>R4H</i>	Relay Al4 drop out set value	3750
<i>End</i>		

VII. The alarm way

Action sketch	The upper limit alarm
	A1L>A1H:upper limit alarm ; A1L=A1H:no alarm PV>A⁺L:close PV<A1H:open pv>100, relay alarm close PV<80, relay alarm OPEN

Action sketch	The lower limit alarm
	A1L<A1H:lower limit alarm ; A1L=A1H:no alarm PV<A1L:close PV>A1H:open pv>80, relay alarm close PV<100, relay alarm OPEN
Action sketch	Outside the range alarm
	A1L>A1H:Outside the range alarm ; A1L=A1H:no alarm PV>A1LORPV<A1H close pv>100,orpv<80:close pv>100,orpv<80:relay alarm close pv<100andpv>80时,relay alarm open
Action sketch	The range alarm
	A1L>A1H:The range alarm ; A1L=A1H:no alarm pv<100 and pv>80,relay alarm close pv>100 or pv<80:relay alarm open

VIII. Analog output

Controller With full isolation of analog quantity transmitting output function , Can replace the temperature pressure,Standard signal transmitter .

Example: controller with PT100 sensor to measure the temperature, must be In 0 ~ 100 ℃ range corresponding to 4 ~ 20 ma output analog signals. Setting follows:

INTY:P100 OUTY:4 20 OUTL:00; OUTH:1000

IX. Rear Panel

