WPM131

Summary

Intelligent LED field display meter is an intelligent general field display unit specially developed for two-wire circuit. It adopts German advanced technology and has the characteristics of high precision, good stability and high reliability.

Technical features

1. LED display completely solves the problem that LCD cannot display in dark environment;
2. No additional power supply is required;
3. Display physical quantity programmable: pressure, flow, temperature, pH value, etc;
4. Display resolution 1 / 9999;
5. With isolated switch output, it can drive equipment no more than 100mA, and can display, control and alarm locally;
6. When the pressure is reduced, 4V can work normally。

Operation method

7. Boot display

Connect the LED display meter in series to the "4-20mA" circuit (it will not be displayed when the polarity is reversed) to display normally. You can do the following

- Push“▲”6S， The current displayed physical quantity will be cleared, and the range that can be cleared is: - 100 ~ 100 (excluding decimal point). The additional value generated by the clearing action will be stored in the zero offset menu.
- PUSH“▲+▼”ENTER THE MENU，use“▲”or“▼”to select the function code

8. Set zero coordinates

Header display  , push“▲+▼”enter the setting， The interface displays the currently set zero point, and the factory default value of "0.000" (percentage) is displayed in the first use. (zero point can be set to 4mA or other physical quantity).

Use“▲”to increase， “▼” to decrease。Use“▲+▼”to save and back to menu

9. Setting full point

Header display  , push“▲+▼”enter the setting， The interface displays the current set full point, and the factory default value of "3.000" (percentage) is displayed in the first use. (full point can be set as 20mA or other physical quantity).

Use“▲”to increase， “▼” to decrease。Use“▲+▼”to save and back to menu

10. Decimal point setting

Header display  push“▲+▼”enter the setting , The interface displays the current decimal point position

Use“▲”to increase， “▼” to decrease。Use“▲+▼”to save and back to menu

11. Damping time setting

Header display  , push“▲+▼”enter the setting , Damping time setting range is 1-200 , use“▲+▼”to save and back to menu

12. Zero point offset

Header display  push“▲+▼”enter the setting，The setting range is - 100 ~ 100 (excluding decimal point), which means the change of increase or decrease based on the existing display value，use“▲+▼”to save and back to menu

13. Alarm switch setting

Header display  push“▲+▼”enter the setting , The interface displays the current setting value。  Indicates that the alarm parameters set are not effective , 

Indicates that the set alarm parameters are effective，use“▲+▼”to save and back to menu。Default is “OFF”

14. Alarm point 1 setting

Header display 

push“▲+▼”enter the setting The alarm set point must be between zero and full，use“▲+▼”to save and back to menu

15. Alarm point 2 setting

Header display 

push“▲+▼”enter the setting The alarm set point must be between zero and full，use“▲+▼”to save and back to menu

10. Direction setting of alarm point 1

Header display 

push“▲+▼”enter the setting ，界display current settings。 

Indicates that the monitored pressure will alarm when it exceeds the value set at alarm point 1 during the rising process， 

Indicates that the monitored pressure will alarm when it is lower than the value set at alarm point 1，use“▲+▼”to save and back to menu

11. Direction setting of alarm point 2

Header display 

push“▲+▼”enter the setting

，use“▲+▼”to save and back to menu

16. Alarm point 1 hysteresis setting

Header display  push“▲+▼”enter the setting，Setting range is 0-9999，use“▲+▼”to save and back to menu

17. Alarm point2 hysteresis setting

Header display  push“▲+▼”enter the setting，use“▲+▼”to save and back to menu

Precautions

1. setz,sets and dotWith the help of setting zero point and full point, the display has practical physical significance, but the display unit does not provide the display space of "unit", which is directly subject to the value.

If it is necessary to set the display 4-20mA: setz is set to 400, sets is set to 2000, and dot is selected in the lower right corner of the second digit. Similarly, if you need to set display - 100 ~ 100KPA: set Z to - 1000, sets to 1000, and dot to the lower right corner of the third digit

2. The decimal point is shared in the whole field, that is, once the position is selected in step 5 "decimal point setting", the zero point, full point, alarm value and other parameters all share the decimal point, and the decimal point position cannot be set separately.

3. The alarm drive is 100mA. If it exceeds this value, the external drive module must be connected

4. Hilo is the main alarm switch, which can be set to select whether to alarm or not