

Changzhou Xionghua Tongtai Automation Equipment Co., Ltd



User's Guide
Residual Chlorine On-line Analyzer
XHCL-7135

Brief information

XHCL-7135 intelligent residual chlorine control equipment is a on-line detecting instrument for residual chlorine, chlorine dioxide and ozone the detection. It adopts advanced constant voltage transducer, high sensitivity, rapid signal response, accurate measurement, stable performance and easy maintenance. It is used by many sewerage treatment units, such as steel plant and chemical companies. In the condition of less than 0.1ppm residual chlorine, it has showed good performance.

It can connect with SZ283 chlorine sensor provided by Italy B&C company and it can replace CL7685、CL3630、CL7635 detecting equipments. For the manufacturer of chlorine dioxide equipment, it is high quality supporting instrument to improve the competition and save cost.

Feature:

1. Measure and display the content of residual chlorine, adjustable range (0-2ppm、0-20ppm).
2. According to the chlorine value, the analog output is 4-20mA and the output range of the current is settable.
3. 2-channel relay output: upper limit output and lower limit output
4. RS485 communication, standard MODBUS-RTU communication protocol
5. Chlorine automatically control (current output control, pulse output control)





XHCL-7135



residual chlorine probe

Panel function(attached picture 2)

Display window: upper display show the value of residual chlorine, the lower display the value of output current

indicator:

H the value of residual chlorine exceeds the set value

L the value of the residual chlorine is smaller than the set value

ER error alarm

TX communication

Y0 upper limit output

Y1 lower limit output

function of push-button :

PRG enter or exit the function set(press it for 3s)

^/∨ increase/decrease the date

SET after entering the function set state, the upper display shows function code 'CDXX', then press SET for 1.5s, the lower display will show the date corresponding the function code, and press ^/∨ to modify the date and press SET for 1.5s after every modification.

Function description**Function chart**

Function No.	Function name	Default value	Unit	Range	Remark
0	password				Set 5 to recovery the factory setting
1	zero adjustment	0	no		
2	full adjustment	10000	no		Special for manufacturer
3	corresponding PPM when AD is full value	2000	no		Special for manufacturer
4	the corresponding output current when the DA output value is zero	400	no		Unit is 0.01mA(Special for manufacturer)
5	the corresponding output current when the DA output value is full	2000	no		Unit is 0.01mA(Special for manufacturer)
7	Lower limit value	10	PPM		When PPM is lower than the lower limit value, Y0 will be connected
8	Upper limit value	1000	PPM		When PPM is higher than the upper limit value, Y1 will be connected
9	The range selection	0			0 (0~2PPM) 1 (0~20PPM)
10	Amplification	10		1~10	adjustable range 2-20PPM
11	Total periods	65			
12	Filter coefficient	2			
13	Selection of output range	2000			
14	The display coefficient of residual chlorine	9999	%	9999%	Actual value* set value
20	Debug mode	0			0 normal mode 1debug mode(Special for manufacturer)
21	Manual DA output	2000			Unit is 0.005mA

Connection (refer to the attached file 1)

AN, OUT 4-20mA analog signal output

A+, B- used for RS485 communication

L2 the shield line of the probe;

Y+ the black line of the probe

Y- the white line of the probe

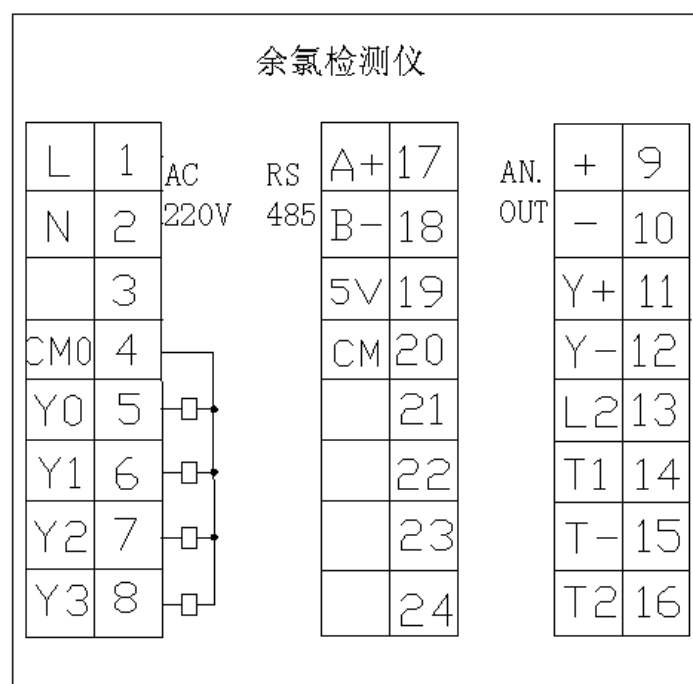
COM0 the relay common output terminal

Y0 upper limit output,

Y1 the lower limit output

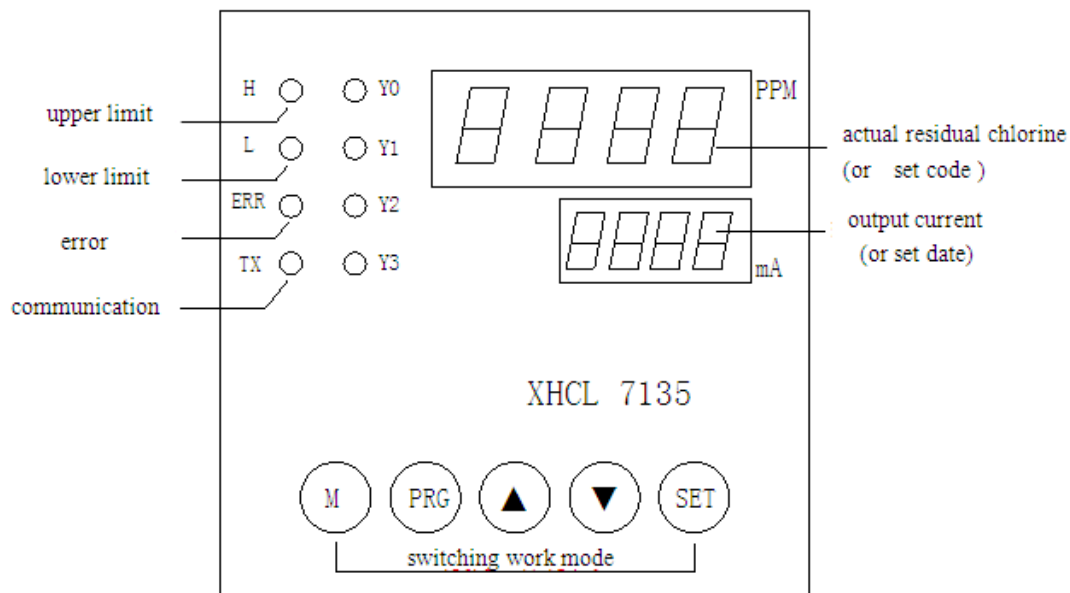
Attached picture 1 :

the connection terminal of XHCL-7135



Attached picture 2:

Panel

**Contact information**

Company name: Changzhou Xionghua Tongtai Automation Equipment Co., Ltd

Address: 13-315 QianShengLanTing, NO. 15, LanLing Road, TianNing District

Tel: 0519-86960058 86998907 86968907

Fax: 0519-86968907-832

Zip Code: 213015