

سامانه پایش قدرت

CATALOG

Residual Chlorine Analyzer





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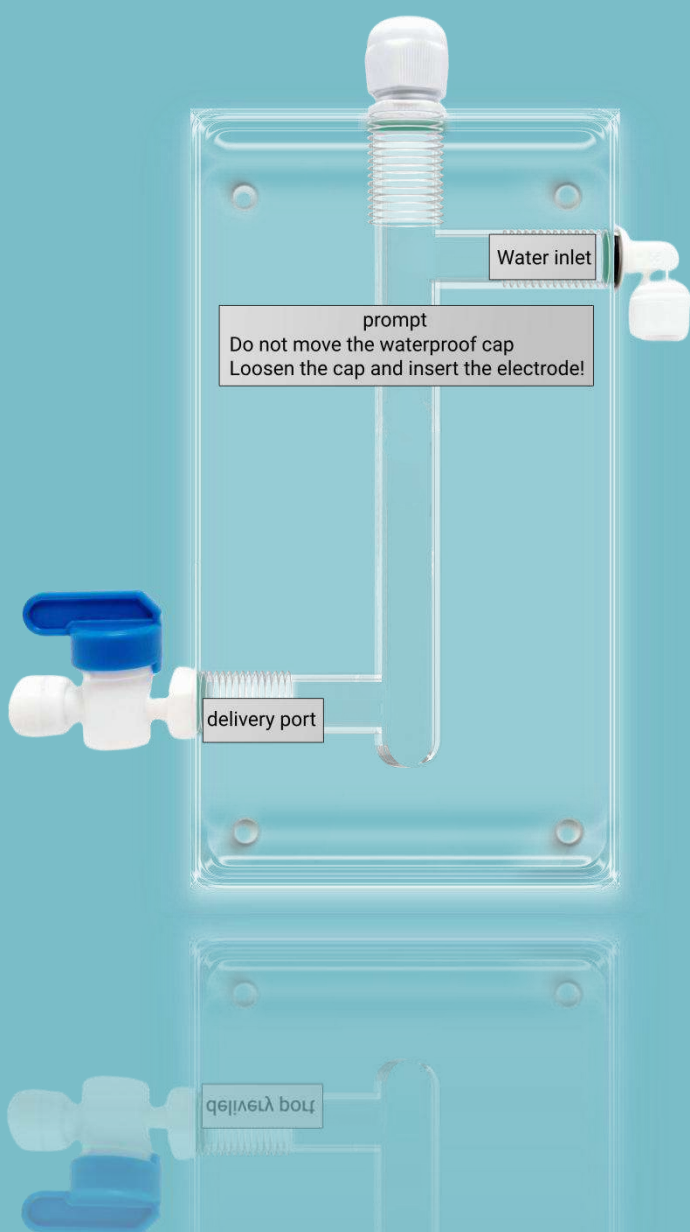


Residual Chlorine Analyzer



Features

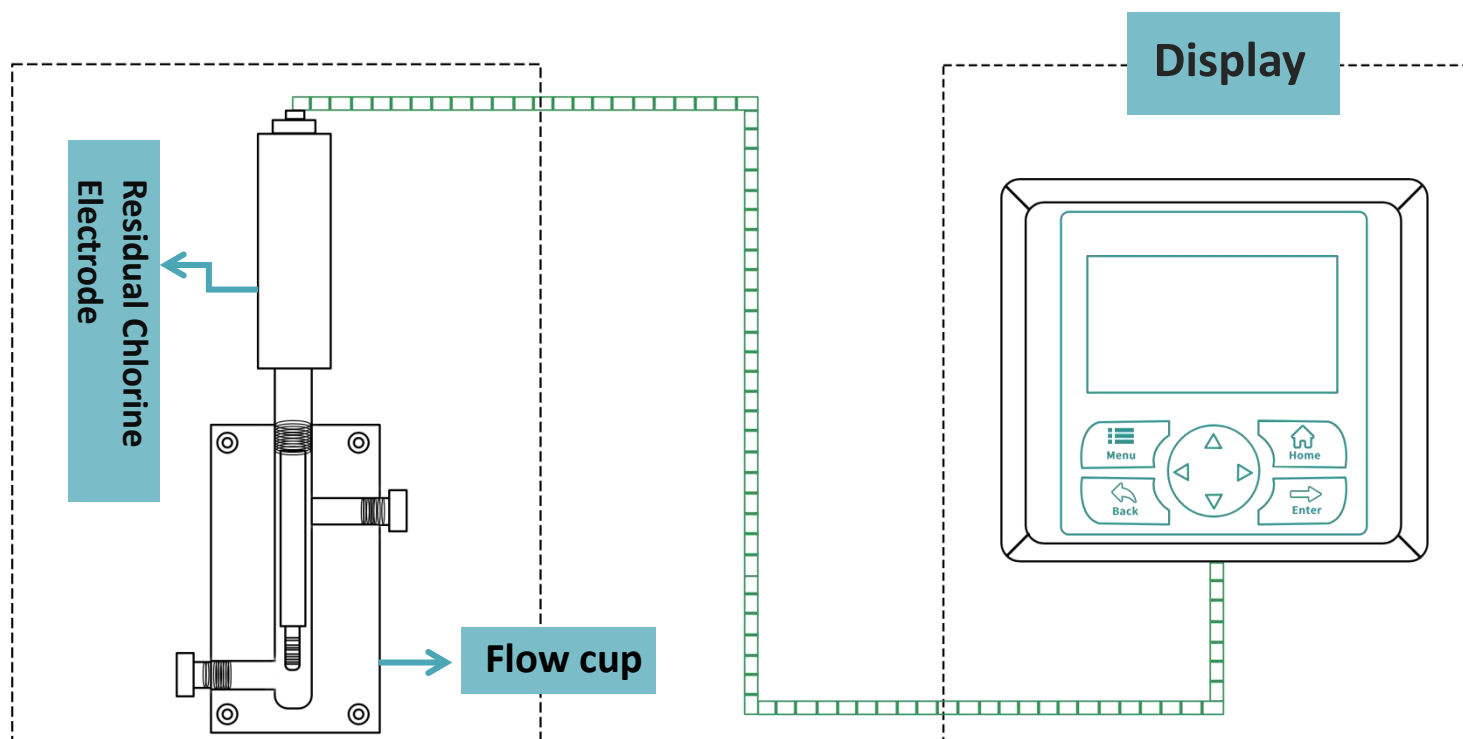
- Simple, user-friendly, smart menu-driven
- Easily read colorful LCD display
- Network-based remote transmission, measurement and control
- Digital sensor, strong anti-interference ability, long transmission distance
- Automatic alarm prompt, and realize alarm signal feedback upload
- Three automatic or manual calibration modes, manual/automatic temperature compensation function
- Support real-time clock, historical data storage, 1 million data storable
- Data can be exported through Micro SD card
- Support Bluetooth wireless transmission, support micro printer
- Probe type sensors for ease of maintenance



| Introduction |

TEM-CL485 is an online water quality monitor with a microprocessor.

It's accurate & reliable widely used on various industrial sites such as drinking water treatment plants, drinking water distribution networks, swimming pools, industrial sewage, and cooling circulating water. etc, to continuously monitor and control the residual chlorine content in the water.



| Working Principle |



The instrument uses a negative voltage of a specific voltage amplitude to be applied between the polarizing electrode and the reference electrode to selectively select the residual chlorine to participate in the reaction.

Causing an electrochemical reaction to occur at the cathode of the electrode, thereby forming a chlorine concentration proportional to the concentration of the residual chlorine current signal.

Configurations



The meter has the characteristics of strong selectivity; no replacement of components; low maintenance; long electrode life and high reliability.

Standard

JJF 1609-2017 "National Calibration Procedure for Residual Chlorine Analyzer"



| Datasheet |

Product model	TEM-CL485
Display	4.3-inch LCD color screen
Measurement range	Residual chlorine/chlorine dioxide: 0~5~10~20mg/L
Accuracy	Residual chlorine/chlorine dioxide: better than $\pm 1\%$ F·S or $\pm 0.05\text{mg/L}$ (the larger value)
Resolution	0.001/ 0.01 (depending on the electrode)
Isolated output current	4-20mA (load resistance $< 800\Omega$)
Communication interface	RS-485 Modbus standard communication protocol
Two sets of relay contacts	3A 240VAC, 6A 28VDC or 120VAC
Power supply	85-260VAC/50-60Hz or 24VDC
Power	$\leq 3\text{W}$
Weight	0.82kg
Dimensions	180x157x84.5mm
Mounting opening	Panel 138x138mm (can be wall-mounted)
Usage conditions	Temperature 0-45°C, humidity not more than 85%, no electromagnetic interference
Electrode selection	Analog signal, digital signal electrode
Data function	Data storage, operation log, Bluetooth printing



| Widely Application |



Drinking Water Treatment



Swimming Pools



Water Distribution Networks



Water Quality Analysis Lab



Industrial Sewage



Automatic Water Quality Monitoring Station



Cooling Circulating Water



Environmental Monitoring

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