

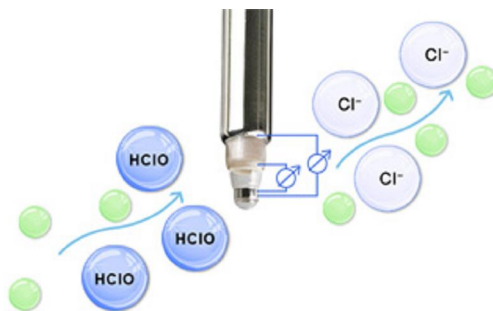
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**FCL5000** Free Chlorine Controller / Transmitter

Revolutionary way to instantly get free chlorine value by using tri-electroded method measuring: faster and accurate, matching up to DPD results, without any reagent consuming.

Features

- Use Tri-electroded method to measure free chlorine faster and accurate, matching up to DPD results. Panel mounted type.
- Measured value not affected by low temperature or turbidity.
- NEMA4X, IP65 rated: waterproof, anti-gas. High protection against electromagnetic interference.
- 1 or 2 points calibration.
- Two level password protection prevents unauthorized tampering with settings.
- Large LCD, with high luminance LED orange backlight.
- Two control modes: on/off limited control (LIT), proportion pulse length control (PLC).
- Separately adjustable high and low set-point hysteresis (dead bands) prevent chattering of relays around the set points.
- Washing / warning relays.
- Scaleable isolated 0/4-20 mA outputs.



Applications

- Waterworks
- Drinking water
- Swimming pool
- Food hygiene



→ Transmitters

- PH5000
- PH5500
- PH3000
- CON5000
- CON5500
- DO5000
- DO5200
- DO5500
- **FCL5000**
- FCL5500



Top-of-the-line CLEAN 5000 1/4 DIN controllers/ ...



Large LCD with precise values, high luminance LED ...



NEMA4X, IP65 rated, high protection against electromagnetic ...



100 \* 108 \* 150 mm compact design,

## Specifications

FCL Range	0.000 - 2.000ppm 0.00 - 20.00ppm
Resolution	0.001 ppm, 0.01 ppm
Accuracy	±2% F.S.
Calibration Point	1-Point (0%) or 2-Point (0%, DPD value)
Temperature Range	-5.0 ~ +100.0 °C
Temperature Compensation	Automatic ( ± 10 °C offset adjustment ) / Manual
Resolution / Accuracy	0.1 °C / ± 0.5 °C
Electrode	CS5520 FCL sensor
Temperature Electrode	NTC22K
Control Function	Limited Point / Proportion ( Pulse Length )
Signal Output / Load	0 / 4 - 20 mA isolated current output, set up by user
Signal Output Load	600Ω
Data Interface	RS-485
Relay Output	3 SPST relays, 250V / 1A (or 110V / 2A)
Control hysteresis band	0.01 - 2.00 ppm; 0.1 - 20.0%
Cleaning Circle	From 1 to 999 hours
Cleaning Time	From 1 to 999 seconds
LCD	Big-size screen of crystal display, orange back light
Power	110V / 220V AC
EMC Specification	EN 50081-1 / EN 50082-1
Working temperature	- 10 to 50 °C (14 to 122 °F)
Humidity	10 to 95% (no frozen dew)
Protection grade	NEMA 4X, IP 65
Dimensions	100 * 108 * 150mm
Installation	Panel Mounting
Panel Cut Size	93.5 * 93.5mm
Weight	900 g

## Certification

