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FCL5500 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.

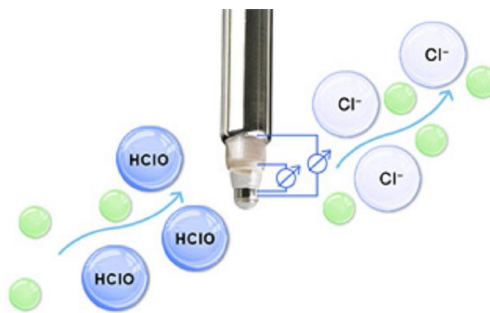
Features

- 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/warming relays.
- Scaleable isolated 0/4-20 mA outputs.



→ Transmitters

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



Applications

- Waterworks
- Drinking water
- Swimming pool
- Food hygiene

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 | 190 * 160 * 133 mm |
| Installation | Wall Mounting |
| Weight | 1.5 Kg |

Certification

