



CLF10 sc Free chlorine sensor with grab sample (on panel)

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CLF10 sc: Free reagentless chlorine sensor

Free chlorine sensor with grab sample (on panel)

The CLF10 sc Free Chlorine Analyser measures free chlorine continuously for real time process control. It is based on amperometric technology and is fully compatible with all of Hach's digital controllers. The CLF10 sc can be used in most municipal and industrial applications, and is best utilised where waste stream management is a constraint. Hach's self diagnostics alerts you when the

process has changed or the instrument needs servicing.

Diagnostic features include the CAL WATCH algorithm

for warning of pH and chlorine calibration deviation and

a non-contacting sample flow sensor for notification of

insufficient sample flow. All warnings are easy to configure.

Disinfection under control

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Minimal operation costs

The amperometric sensors monitor chlorine concentration continuously without reagents. There is no need to replace reagents nor to manage disposal. This saves time and keeps operation costs at a low level.

Plug and play

The sensors are designed for all Hach digital SC controllers so you only need one controller for all measurements. They are easy to operate, no matter if measuring turbidity or chlorine. Hach SC controllers have no complicated wiring or setup procedures. Just plug in any Hach digital sensor and it's ready to use without software configuration.

Real-time process control

Continuous readings indicate when treatment conditions have changed allowing CLT10 sc and CLF10 sc a real-time control of disinfection processes.

EPA compliant according to Method 334.0

In accordance with the US EPA Method 334.0, the sensors can be used for reporting chlorine residual measurements.

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| Certificiranje: | CE/ETL, EMC |
| Delovna temperatura: | 0 - 50 °C (assured temperature compensation up to 45 °C) |
| Diameter: | 25 mm |
| Dimenzija: | Sensor Only: 195 |
| Dimenzija (v x š x g): | 483 mm x 495 mm x 151 mm |
| Dolžina: | Sensor: 195 mm |
| Dolžina kabla: | 1 m (between gateway and SC controller) |
| Garancija: | 24 mesecev |
| Interference : | Free chlorine: monochloramine, chlorine dioxide, ozone, and chalk deposits. Total chlorine: chlorine dioxide, ozone and chalk deposits |
| Kontrolna enota: | Panel only |
| Material: | Panel: Corrosion-resistant, fully-submersible (stainless steel, PVC, silicon rubber and polycarbonate) |
| Meja zaznavanja: | 30 ppb (0.03 ppm) |
| Merilna metoda: | Reagentless, electrochemical, three-electrode amperometric system |
| Merilno območje: | 0 - 20 ppm Cl ₂ |
| Način montaže: | Flat, vertical surface |
| Napetost (V): | 12 V DC ±10%, 100 mA maximum (supplied by SC controller) |
| Natančnost: | Free Chlorine: ±3 % of the reference test (DPD) at constant pH less than 7.2 (±0.2 pH unit) |
| Območje tlaka: | 0.5 bar, no pressure impulses and/or vibrations |
| Obseg dobave: | Free chlorine sensor, chlorine sensor block, SC gateway, stainless steel panel and pH flow cell for grab samples |
| Odzivni čas : | Свободен хлор: 140 с секунди или по-малко при 90 % промяна (Т90) при стабилна температура и рН |
| Parameter: | Free Chlorine |
| pH območje: | 4 - 9 |
| Pogoji skladiščenja: | -20 °C - 60 °C dry |
| Ponovljivost: | 30 ppb ali 3%, kar je večje |
| Povezava s kablom: | 5 pin, M12 connector |
| Pretok vzorca: | 30 - 50 L/h, optimal is 40 L/hour |
| Priključek linije vzorca: | 1/4 in OD |
| Priključek odvoda: | 1/2 in ID |
| Stopnja pretoka: | Metric |
| Temperatura vzorca: | 5 - 45 °C |
| Temperaturna kompenzacija: | Internal temperature compensation in the sensor |
| Teža: | Approximately 5.5 kg (12 lbs) Panel and empty panel-mounted components only |
| Umertivena metoda: | 1-point or 2-point (zero and slope) calibration |
| Vsebina paketa: | Free chlorine sensor, chlorine sensor block, SC Gateway, stainless steel panel and pH flow cell for grab samples |
| Width: | 495.3 mm |
| Združljivost kontrolnih enot: | SC200, SC1000, SC4500. All controllers sold separately |

Vsebina paketa

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