



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.

Specifikacije

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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