



CLF10 sc Free chlorine analyser, pH combination sensor, metric

Produktnr:

LXV45A.98.22022

SEK Pris:

Kontakta oss

Tillgänglig

CLF10 sc: Free reagentless chlorine sensor

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 SC 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.

Specifikationer

Anslutning, dräneringsledning:	1/2 in ID
Anslutning, provledning:	1/4 in OD
Certifieringar :	CE/ETL, EMC
Detektionsgräns:	30 ppb (0.03 ppm)
Dimension:	Sensor Only: 195
Flödeshastighet:	Metric

Garanti :	24 månader
Instrument:	Panel only
Instrumentkompatibilitet:	SC200, SC1000, SC4500. All controllers sold separately
Kabelanslutning :	5 pin, M12 connector
Kabellängd:	1 m (between gateway and sc controller)
Kalibreringsmetod :	1-point or 2-point (zero and slope) calibration
Lagringsförhållanden:	-20 °C - 60 °C dry
Längd:	Sensor: 195 mm
Material:	Panel: Corrosion-resistant, fully-submersible (stainless steel, PVC, silicon rubber and polycarbonate)
Mätmetod:	Reagentless, electrochemical, three-electrode amperometric system
Matningskrav (Spänning):	None
Mätområde:	0 - 20 ppm Cl ₂
Monteringsform:	Flat, vertical surface
Noggrannhet:	Free Chlorine: ± 10 % of the reference test** (DPD) at stable pH less than 8.5 (±0.5 pH unit from the pH at calibration)
Omgivningstemperatur:	0 - 45 °C
Option:	Combination pH Sensor
Parameter:	Free Chlorine
pH Monitoring Required?:	with pH Combination
pH-område:	4 - 9
Provflödes hastighet:	30 - 50 L/h, Optimal is 40 L/hour
Provtemperatur:	5 - 45 °C
Repeterbarhet:	30 ppb eller 3%, beroende på vilket som är störst
Responstid :	Free Chlorine: 140 s or less for 90% change (T90)
	at a stable temperature and pH
Störningar:	Free chlorine: monochloramine, chlorine dioxide, ozone, and chalk deposits.
	Total chlorine: chlorine dioxide, ozone and chalk deposits
Temperaturkompensation:	Internal temperature compensation in the sensor
Tryckområde:	0.5 bar, no pressure impulses and/or vibrations
Vad ingår i leveransen:	CL10sc Panel, 1 m Digital Extension Cable, pH Combination Sensor, Panel Manual, Chlorine Sensor Manual, pH Combination Sensor Manual
Vikt :	Approximately 5.5 kg
	Panel and empty panel-mounted components only
Width:	495.3 mm

Vad finns i förpackningen

CL10sc Panel, 1 m Digital Extension Cable, pH Combination Sensor, Panel Manual, Chlorine Sensor Manual, pH Combination Sensor Manual

Obligatoriska tillbehör

- SC4500-styrenhet, Prognosys, 5x mA-utgång, 2 digitala givare, 100 - 240 VAC, utan nätsladd (Item LXV525.99A11551)
- SC4500-styrenhet, Claros-kompatibel, 5x mA-utgång, 2 digitala givare, 100 - 240 VAC, utan nätsladd (Item LXV525.99AA1551)
- SC4500-styrenhet, Claros-kompatibel, 5x mA-utgång, 2 digitala givare, 100 - 240 VAC, EU-stickkontakt (Item LXV525.99CA1551)

- SC4500-styrenhet, Prognosys, 5x mA-utgång, 1 digital givare, 100 - 240 VAC, utan nätsladd (Item LXV525.99A11501)
- SC4500-styrenhet, Prognosys, 5x mA-utgång, 2 digitala givare, 24 VDC, utan stickkontakt (Item LXV525.99Z11551)