



SEM SPI C170 AMP



The SPI C170 AMP monitors the water treatment process optimally. The SPI C170 AMP stands for the perfect water quality.

Measurement

The SPI C170 AMP measures the most important values that determine the quality of (swimming) water, namely the pH and chlorine value. The chlorine value is determined by means of the amperometric measurement method.

The measuring cell is composed of a copper and a platinum electrode and is self-cleaning by means of the glass balls.

This precise control ensures that the (swimming) water meets the legal quality requirements in terms of chlorine and pH values.

Security

The SPI C170 AMP is equipped with a flow measurement. By connecting a flow sensor, the SPI 170 measures the current flow in the filter system. If the flow is too low, the dosing of chlorine and acid will be stopped. In addition, the SPI C170 AMP is equipped with a variety of safety features to ensure optimal water quality.

Dosage

Based on the measured values, the SPI C170 AMP can control all types of dosing pumps with a pulse signal or on / off signal. If the optional analogue module is applied, 4-20mA or 0-10V control is possible.



Technical specifications

SEM SPI C170 AMP

- Control: Pulse / On-Off (Potential Free Solid State Contact) / 0 - 10V / 4 - 20mA.
- Based on flow, the dosage is protected (no flow = no dosage)
- Circulation contact on / off security
- Sending a general alarm signal with adjustable alarm delay time.
- Water connection: Supply 30 -35 l/ h, min. pre pressure 0.3 bar, measuring return water can be fed back under pressure into the system
- Dimension panel: H x W x D : 485 x 485 x 100 mm
- For detailed technical specifications or applicability see SPI C170 AMP manual
- Various accessories and options available

Specificaties van de te meten parameters voor de SPI - C170 AMP

Measurement	Method	Range	Accuracy
Chlorine	amperometric	0,00-5,00 mg/l	±10 %
pH	Glass electrode	2-14 pH	±0.05 pH
Flow	Puls Sensor/ Current sensor	0-100 % 0- 2.5 m/s	±5 %

Options :



• Communication module

The SPI C170 AMP is expandable with a communication module. This allows that the SPI C170 AMP is fully controlled on distance via the standard TCP/IP protocol. It is possible to log 250 measurements and view these measurements in a chart. It is also possible to check the SPI 170 on distance together with the customer which makes solving problems much easier.



• Analogue module

The analogue module is a module for expanding the SPI C170 AMP with 4 analogue outputs:

- Current Chlorine/Peroxide value
- Current pH value
- Pump action Chlorine/Peroxide
- Pump action acid

*These analogue outputs are adjustable from:
0-10 V/ 2-10 V/0-20 mA/4-20 mA*

This allows the SPI to be connected to a PLC or a building management system.