

Autodos is the
easy way to
**handle and
monitoring
water quality**



Autodos M1-M2-M3

Automatic measuring and control unit.

- Measures pH, redox, free chlorine and total chlorine
- Automatic dosing of chemicals
- A separate module for each electrode
- Electronic flow meter
- External pre filter
- Temperature sensor
- Alarm and safety settings
- Remote Access Monitoring



Products from Pahlén Pool System,
for a trouble-free pool ownership.

For more information: www.pahlen.com



Highly intelligent Autodos for commercial pools.

The optimum solution for the public swimming pool is to install a Pahlén Autodos in the system. The water quality is continuously monitored, which makes it easier to maintain a clear and clean water.

Through the use of automatic dosing, the chemical consumption is controlled and optimized, as a result of a more even flow of chemicals.

Additional control and disinfection are obtained with a Pahlén CO₂ unit and UV light.

Autodos is available in a variety of versions and can monitor pH and chlorine in the form of redox, free chlorine and combined chlorine.



For all types of installations.

Autodos offers a wide range of adjustments to suit all pool types. Chlorine, pH, flow and temperature readings are shown in clear and easy to read LED displays. Autodos is easy to use and provides exact readings for accurate monitoring and disinfection of pool water. Furthermore it is very easy for the operator to overview and control the water quality.

Pahlén's in-house developed Autodos is available for all requirements, from the Autodos M1 which is a single-channel instrument for monitoring of pH, redox, free chlorine or total chlorine, to the most advanced Autodos M3 which is a three-channel instrument for monitoring of pH, free chlorine and combined chlorine.

Start module with easy access

The starting module contains flow meter, flow guard, temperature sensor and a visual indication of the flow through the flow cell.

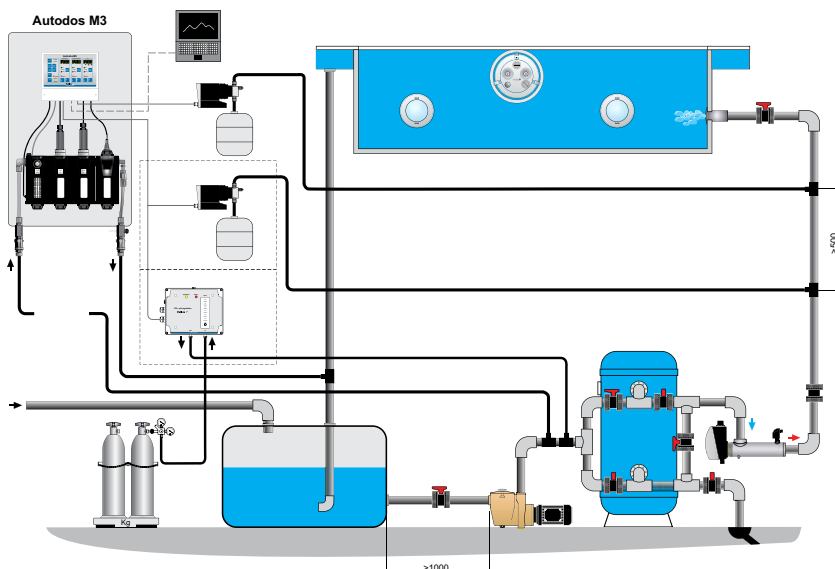
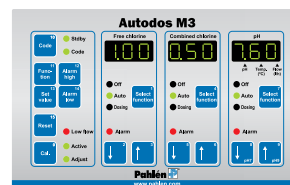


The flow cell in transparent PVC has a separate module for each electrode. Each module can be connected in series depending on the application and the number of electrodes used.

The flow cell is neatly concealed with a transparent cover, that is easy to open when needed e.g. for calibration and taking samples.

Electronic digital control panel

- Easy access to all functions from the control panel
- Clear overview of free chlorine, combined chlorine and pH values
- Clear display of temperature (°C)
- Clear display of the flow (l/h)
- Clear indication when a too low or too high value



Dosing pumps

Dosing pumps for injecting chlorine or pH-regulating agents. The pumps are microprocessor-controlled and magnetically operated for maximum dependability and dosing precision.

Available as an option.



pH-MaxiDos

CO₂ is a dependable and easy to use system for pH reduction in the pool. The unit is controlled via Autodos and suits all pool types.

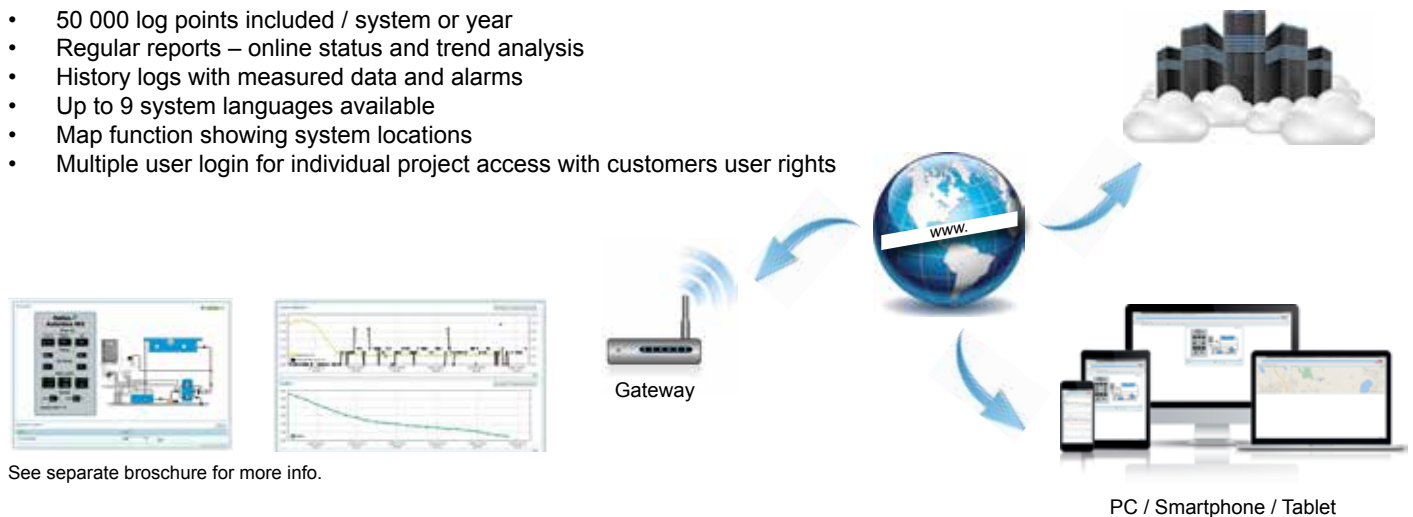
Available as an option.



- **Digital control and display** - Easy to set and operate.
- **New modern design and material** - For easy handling and maintenance.
- **Tiltable flow cell module** - Makes the maintenance easier than ever.
- **Transparent flow cell with flow meter** - Clear view of the current flow.
- **Starting module with flow meter, flow guard, temperature sensor** - Everything in one place for easy maintenance.
- **User access protection, that can be activated when necessary** - Prevents unauthorized access to the control unit.
- **Customized alarm levels** - Easy to set your own values for pH, redox, chlorine and flow.
- **Built-in safety functions** - Prevents dosing when there is a too low flow or the pH-values are beyond the set alarm levels.
- **Setting of maximum dosing time** - Built-in safety function to prevent overdosing.
- **Accurate measuring of chemical levels** - Optimized and economical consumption of chemicals.

Autodos® RAM - Remote Access Monitoring

- 50 000 log points included / system or year
- Regular reports – online status and trend analysis
- History logs with measured data and alarms
- Up to 9 system languages available
- Map function showing system locations
- Multiple user login for individual project access with customers user rights



Ordering Guide

A complete Autodos consists of Autodos and electrode kit. Additional accessories such as dosing pump, chemical tank, collecting vessels and mixers are also recommended. Electrode kit is supplied complete with buffer liquid. Chemicals not included.

Item no.	Accessories Autodos
416209	Communications module OPC Modbus-RTU
416230	Gateway EC220 Mobile
416231	Gateway EC310 Ethernet

Autodos M1

Item no.
416500 Autodos M1 free chlorine
416510 Autodos M1 pH
416520 Autodos M1 redox
416530 Autodos M1 total chlorine
416501 Electrode kit M1, PB200 free chlorine
416502 Electrode kit M1 CLE3 - 10ppm free chlorine
416511 Electrode kit M1 pH
416521 Electrode kit M1 redox
416531 Electrode kit M1 CTE1 total chlorine

Autodos M2

Item no.
416540 Autodos M2 pH and free chlorine
416550 Autodos M2 pH and redox
416541 Electrode kit M2, PB200 free chlorine, pH
416542 Electrode kit M2 CLE3 - 10ppm free chlorine, pH
416543 Electrode kit M2 CLE3 - 20ppm free chlorine, pH
416551 Electrode kit M2 Redox, pH

Autodos M3

Item no.
416560 Autodos M3 pH, free chlorine and redox
416570 Autodos M3 pH, free and combined chlorine
416561 Electrode kit M3 PB200 free chlorine, pH and redox
416562 Electrode kit M3 CLE3 - free chlorine 10ppm, pH and redox
416571 Electrode kit M3 PB200 - free and CTE combined chlorine, pH



Pahlén AB

Box 728, SE-194 27 Upplands Väsby, Sweden
e-mail: info@pahlen.se, www.pahlen.com

Middle East Branch Office
Pahlén AB, Executive suite L1-41, P.O. Box 121888
SAIF Zone, Sharjah, United Arab Emirates
Tel : + 971 6 557 05 95, Fax: + 971 6 557 05 99
e-mail: anil.prabhakaran@pahlen.se

