

Water is your element – and very private

Along with filtering, the conditioning of water is a rather important issue. Highly exceptional water quality can be achieved with the introduction of specific disinfectants into the water circulation. The water sampling station is a reliable partner for the exact control of the disinfectant and other water parameter – for your health.

A reliable partner

Depending on the installed features, the water sampling station collects the data for free chlorine, pH values, Redox potential, temperature, and conductivity (optional).

An electronic controller from the TOPAX series controls the water quality. All of the elements that are necessary for standardized measuring, controlling, and metering are combined at the water sampling station. Apart from the disinfectant, other chemicals, e.g. flocculants, can be metered using up to three hose pumps.

An easy solution

Two measuring variants are available for measuring of disinfection: chlorine/pH- and redox/pH-measuring. The amperometric chlorine measuring cell CS120 that is used for chlorine/pH measurements has been used for many years and features automatic electrode cleaning.

The sensors for measuring temperature, redox, pH, and conductivity (optional) are all mounted in a transparent fixture. The CS120 and used hose pumps are also transparent.

The flow controller, filter, and sampling point for calibrating the sensors are integrated. The measured water is fed back into the water circulation.

In short

- Measurement of free chlorine, pH value, Redox, temperature and conductivity (optional)
- Amperometric chlorine measuring cell
- Trouble-free metering through peristaltic pumps
- Sampling water is lead back into the water system
- Minimum installation work
- Easy operation and maintenance through transparent construction
- Optical and electronic function control



Water Sampling Station Free CL2/pH/Temp

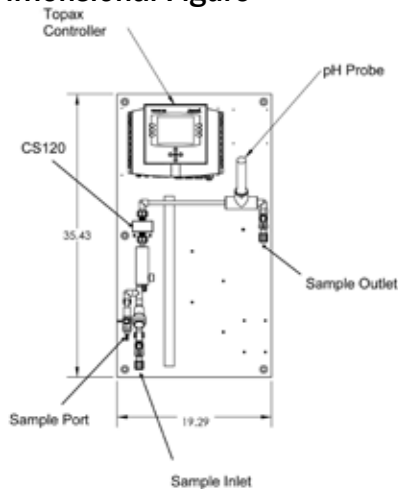
Technical Data

Measuring range free chlorine	0...2 ppm
Measuring range pH	pH 0...14
Measuring range redox	0...1000 mV
Dimensions (W x H x D)	490 x 900 x ~150
Temperature	1...40 oC
Sampling water requirement	approx. 45 l/hr
Water pressure	0.15...6 bar
Max. variation	+/- 10%
Tubing connections	6/12 mm

Model Variants

Product Name	Description	Order No.
Water Sampling Station for measurement of free chlorine and pH value	Following functional elements are mounted: <ul style="list-style-type: none"> • Ball valves at inlet and discharge • Strainer (0.5 mm mesh) • flow monitor with switch contact and needle valve for adjustment of water flow • Ball valve for taking of sample water • PMMA instrument block for housing of pH and Redox/ ORP single-rod measuring chains • Chlorine measuring cell CS 120 • pH single-rod measuring chain PE 110 • Connection cable, for all sensors Sample water connections at inlet and discharge: hose liner for d 6/12 mm	42400002
Water Sampling Station for measurement of free chlorine, pH value and Redox-potential/ ORP	Model as order no. 42400002, yet additionally with Redox/ ORP single-rod measuring chain ME 110	42400004
Water Sampling Station for measurement of free chlorine, pH value, Redox-potential/ ORP and conductivity	Model as order no. 42400002, yet additionally with Redox/ ORP single-rod measuring chain ME 110 conductivity measuring cell and measuring amplifier LF 431	42400006
Water Sampling Station for measurement of free chlorine, pH value, Redox-potential/ ORP, temperature and conductivity	Model as order no. 42400006, yet additionally with temperature sensor Pt 100	42400005
Water Sampling Station for measurement of free chlorine	Model as order no. 42400002, yet without pH single-rod measuring chain PE 110	42400011
Water Sampling Station for measurement of pH value and Redox-potential/ ORP	Following functional elements are mounted: <ul style="list-style-type: none"> • Ball valves at inlet and discharge • Strainer (0.5 mm mesh) • Ball valve at sample water discharge • Ball valve for taking of sample water • PMMA instrument block for housing of pH and Redox/ ORP single-rod measuring chains • pH single-rod measuring chain PE 110 • Redox/ ORP single-rod measuring chain ME 110 • Connection cable, for all sensors Sample water connections at inlet and discharge: hose liner for d 6/12 mm	42400012

Dimensional Figure



Accessories

In addition to the water sampling station, the following accessories are available for operation:

Description	Order no.
Sampling water filter with wall holder and tubing connection	23733816
Suction line type SA1	12224451
Injection nozzle type S	12327059