

Product Information Water Sampling Station PM 03

High pressure and temperature - no problem

The warm water recirculation systems in buildings are subject to high pressure and temperatures. They also offer optimum living conditions for bacteria and germs. The disinfection of circulation lines, e.g. in medical facilities, is an objective that can be achieved by means of the water sampling station PM 03 and a disinfection plant with free chlorine or chlorine dioxide.

The solution for your drink water supply

The water sampling station PM 03 control panel fulfils all the requirements of the measuring and control technology in pressurised water networks. It is thereby used for the determination and control of the chlorine/chlorine dioxide concentration in water treatment. Thus the instrument table is used in many applications.

The PM 03 is perfectly suited for use in warm water networks with temperatures up to 60 °C and pressure up to 6 bar. All of the water sampling stations' temperature and pressure-loaded components are made from high quality materials.

The PM 03's simple and solid construction guarantees good operability, high reliability and a long service life with low maintenance requirements.

Use of high-quality materials

The chlorine/chlorine dioxide concentration is measured by means of a potentiostatic chlorine measuring cell. All of the water conducting elements are made of high-quality materials, such as PMMA and PVDF. Depending on the model, it is possible to measure the pH or redox values.

TOPAX multi-channel controllers are used, which are characterized by their ease of operation and multitude of features.

The water sampling station comes completely assembled. Its design enables the measured water to be fed back into the water supply lines.

In short

- Measurement of free chlorine or chlorine dioxide with potentiostatic measuring cell
- Measurement of pH value or redox
- Clearly arranged format that is sure to function
- Pressure-resistant to 6 bar
- Temperatures up to 60 °C
- Pipe installation and cabling is done by the factory
- Possible recirculation of test water in the mains



Technical data

Measuring range free chlorine	up to 10 mg/l*
Measuring range chlorine dioxide	up to 2 mg/l*
Measuring range pH	pH 0...14*
Measuring range redox	0...1000 mV*
Dimensions (W x H x D)	490 x 900 x ~100 mm
Temperature	5...60 °C
Sample water requirement	approx. 45 l/hr
Water pressure	0.2...6.0 bar
Hydraulic connections	G 1/4 inner thread

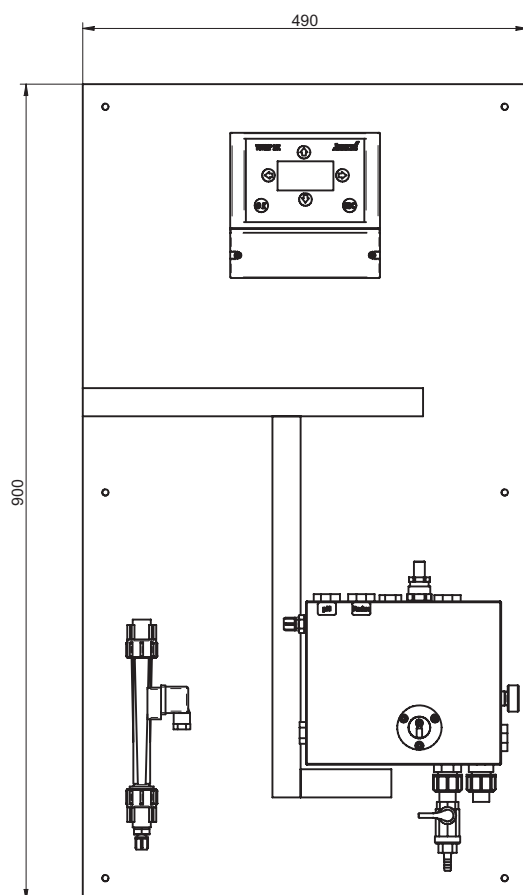
* depending on choosed TOPAX controller

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Model variants

Product name	Description	Order no.
Water Sampling Station PM 03 for the measurement of free chlorine or chlorine dioxide, pH value and redox-potential (ORP)	Basic model with following functional elements: <ul style="list-style-type: none"> • Strainer (0.5 mm mesh) • DN 2.5 needle valve • Potentiostatic chlorine measuring cell with gold electrode, Stainless steel electrode and reference electrode • Balls for electrode cleaning • pH single-rod measuring chain • Redox (ORP) electrode • Flow monitor 60 l/hr with switch contacts (TOPAX controller ordered separately) 	42200005
Water Sampling Station PM 03 for the measurement of free chlorine or chlorine dioxide and pH value	Basic model, yet <u>without</u> redox (ORP) single-rod measuring chain	42200006
Water Sampling Station PM 03 for the measurement of free chlorine or chlorine dioxide pH value and temperature	Basic model, yet <u>additionally</u> equipped <u>with</u> temperature sensor Pt 100	42200007

Dimensional figure



All measurements are given in mm

Scope of Delivery

Following functional elements are mounted on water sampling station:

- Water sampling station (see description below)
- Mounting kit for wall mounting
- Sensors with connection cable
- Buffer solutions

Accessories

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

Description	Order no.
Swimming Pool Photometer measuring parameters: free, bound and total chlorine, chlorine dioxide, pH value, cyanuric acid,	23800003