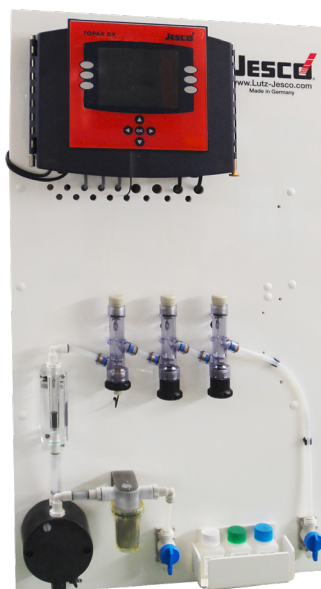


The variable one

EASYPRO - the water sampling station



Controlled disinfection

The EASYPRO water sampling station enables standard-conform and continual measurement of the process water in public swimming pools, industrial plant and hot water installations up to 65 °C. The exact dosing of the disinfectant requires the constant measurement of the process water and the exact control of the dosing system.

The modular design of the water sampling station enables its exact adaptation to suit your needs. A flow controller generates a constant flow of 30 l/h and leads the sample water to the measuring cell in the shortest possible time, thereby guaranteeing high measurement accuracy.

The measured values are then led directly to the TOPAX controller, where they are interpreted; this controls the further dosing systems. The values can be read off at any time via a display and the LED illumination of the individual measuring cells indicates immediately whether a measured value lies outside a nominal range, thereby requiring manual control.

High-value equipment

The water sampling station is made of durable materials and fitted with high-value measuring cells. The PVC fittings are resistant against aggressive chemicals and highly resistant against abrasion.

Depending on the version, measuring cells are used for measuring the degree of disinfection, the pH value, the Redox potential, the total amount of chlorine and the conductivity. We provide a selection of measuring cells which are characterised by their high level of quality and measurement accuracy.

A temperature sensor is installed in every version as standard, with which to measure the temperature. Taken together with the controller, the TOPAX series provides comprehensive measurement, display, control and recording of all important water values.

Functions

- Measurement of the degree of disinfection (free chlorine)
Measuring range: max. 10.00 mg/l
- Measuring of the total chlorine quantity
Measuring range: output 4 – 20 mA
- Measuring the conductivity
Measuring range: output 4 – 20 mA
- Measuring the pH value
Measuring range: pH value 0 – 14
- Measuring of the Redox potential
Measuring range: 0 – 1000 mV
- Measuring the temperature
Measuring range: 0 - 100 °C
- Reading in the digital display
- Warning via red LEDs, should measured values leave the nominal range
- Control of the downstream dosing systems
- Automatic recording of the measured values via separate software possible
- Easy to assemble: The water sampling station can be unlocked and opened using the lock (right-hand side)

Technical data

EASYPRO for public swimming pools		LP-C	LK-C	LD-C	LC-C
Measuring range free chlorine	mg/l	0 – 10 (depending on the measuring principle) pH value-dependent 5,5 – 8			
Chlorine dioxide measuring range	mg/l	-	-	0 – 10 (depending on the measuring principle)	-
pH measuring range		0 – 14			
Redox measuring range	mV	0 – 1000			
Total chlorine measuring range	mg/l	max. 10 (depending on the measuring cell)	-	-	-
Temperature	°C	max. 40 (with stop valve)			
Water requirement	l/h	30 approx.			
Water pressure	bar	max. 1	max. 6	max. 1	max. 6
Water inlet		PE hose, 6/8 mm			
Water outlet		PE hose, 6/8 mm			
Electrode material	Measuring electrode	Gold or platinum (depending on the measurement)			
	Reference electrode	Silver / silver chloride with a KCl gel filling			
	Counter electrode	Precious metal			
Output signal total chlorine sensor	mA	4 – 20			

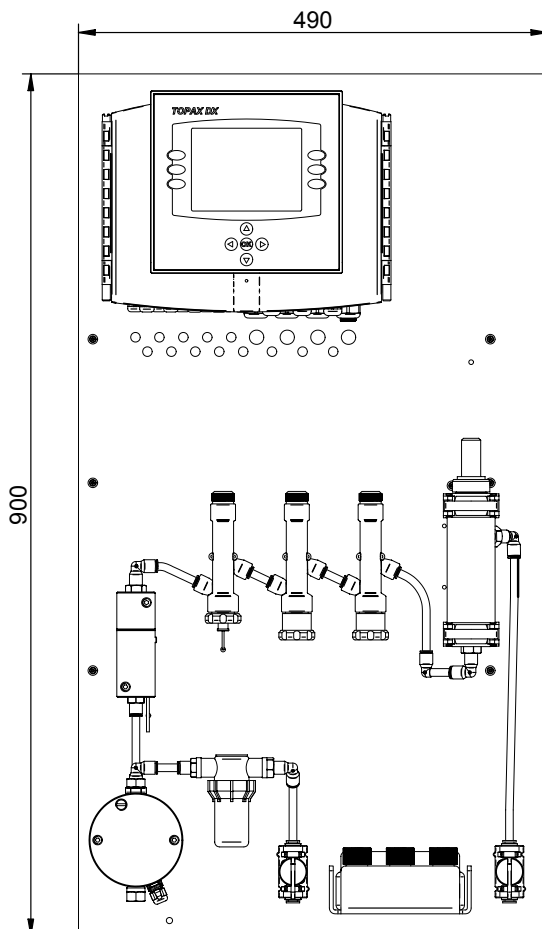
EASYPRO for industrial plant and private swimming pools		LA-C	LB-C	LE-C
Measuring range free chlorine	mg/l	0 – 10 (depending on the measuring principle) pH value-dependent 5,5 – 8		-
Chlorine dioxide measuring range	mg/l	0 – 10 (depending on the measuring principle)		-
pH measuring range		-	0 – 14	
REDOX measuring range	mV	-	-	0 – 1000
Temperature	°C	max. 40 (with stop valve)		
Water requirement	l/h	30 approx.		
Water pressure	bar	max. 6		
Water inlet		PE hose, 6/8 mm		
Water outlet		PE hose, 6/8 mm		
Electrode material	Measuring electrode	Gold or platinum (depending on the measurement)		
	Reference electrode	Silver / silver chloride with a KCl gel filling		
	Counter electrode	Precious metal		

Technical data

EASYPRO for hot water installations		LA-H	LB-H
Measuring range free chlorine	mg/l	0 – 10 (depending on the measuring principle) pH value-dependent 5,5 – 8	
Chlorine dioxide measuring range	mg/l	0 – 10 (depending on the measuring principle)	
pH measuring range		-	0 – 14
Temperature	°C	max. 65 (without stop valve)	
Water requirement	l/h	30 approx.	
Water pressure	bar	max. 6	
Water inlet		PE hose, 6/8 mm	
Water outlet		PE hose, 6/8 mm	
Electrode material	Measuring electrode	Gold or platinum (depending on the measurement)	
	Reference electrode	Silver / silver chloride with a KCl gel filling	
	Counter electrode	Precious metal	

Dimensions

All dimensions in mm



EASYPRO standard - accessories



pH single-rod measuring cell PE 110

- Electrolyte KCl (gel)
- N attachment head with PG 13.5 thread
- Measuring range pH 0 – 14 or pH 2 – 12
- Pressure range: max. 6 bar
- Temperature range: 0 – 80 °C or 0 – 50 °C



REDOX/ORP Single-rod Measuring Chain ME 110

- Electrolyte KCl (gel)
- N attachment head with PG 13.5 thread
- Measuring electrode platinum or gold
- Pressure range: max. 6 bar
- Temperature range: 0 – 80 °C or 0 – 50 °C



Encapsulated electrode

- for the measurement of the free effective chlorine
- Measuring range: 0 – 2 mg/l or 0 – 0,05 mg/l
- Pressure range: max. 1 bar
- Temperature range: 0 – 45 °C
- Response time c. 2 min.



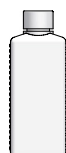
Total chlorine measuring electrode

- Measuring range: 0 – 2 ppm
- Output signal: 4 – 20 mA
- pH range: pH 5.5 – 9.5
- Pressure range: max. 3 bar
- Temperature range max. 45 °C



Conductivity measuring cell

- Electrode head 4-pole socket with screw-in thread PG 13,5
- 2-electrode system, conductive
- Electrode material: PP
- Temperature range max. 80 °C
- Measuring range: 0 – 20 mS/cm (1% salt content)



buffer solutions

- pH value 3.06; 4.65; 6.80 or 9.27
- REDOX buffer solution 468 mV
- Buffer solution set consisting of a 50 ml pH 3.06 / pH 4.65 / pH 6.80 / pH 9.27 / Redox

Further accessories such as a conductivity measurement amplifier, a resistance thermometer, measuring water pumps and hoses are available upon request.