



TOPAX L

Product information

Single-channel controller

Important values securely under control

As a single-channel controller, the TOPAX L monitors water parameters during water preparation and wastewater treatment and controls a connected dosing system for water treatment in real time. In this way it ensures constant water values in the most varied of applications – taking into account the given norms and guidelines. Different models of the TOPAX L are available, which differ purely in the measuring and controller inputs. All models measure the temperature.

Thanks to its compact housing, the TOPAX L can be smoothly integrated into existing systems. The unit has a monochrome display (128x128 pixels) to show the measured value and with graphic symbols to show the digital output status. Furthermore, the display has a three-colour backlight to show the modes and alarms. Simultaneous flashing of the measured values (numerical and bar graph display) and the temperature values.

The controller has five control buttons for calibrating and configuring the unit. A password feature protects it against unauthorised use.

The possibility to directly connect the most diverse sensors for measuring the water parameters completes every TOPAX L model's set requirement for optimal water treatment.

All TOPAX L models can be configured via WLAN using the integrated web server.

Available measurement inputs

- Turbidity
- Dissolved oxygen
- pH / ORP (Redox)
- Chlorine
- Ozone
- Peracetic acid
- Bromine
- Flow rate
- Conductivity
- Chlorine dioxide
- Hydrogen peroxide
- Chlorite

safety is our concern

Technical data

Power supply	
Power supply	100 – 240 V AC, 50/60 Hz
Power consumption	8 W* * only unit: 8 W; unit + 1 digital probe: 10.5 W; unit + 2 digital probes: 13.5 W
Fuse for power supply	Fuse glass body 5 x 20 mm, T1.25AL250V
Short-circuit protection	present
Relay outputs	
RL1, RL2, RL3, RL4	mechanical 250 V AC / 5 A, 30 V DC / 3 A
Relay RL1, RL2 configuration	Controller output
Relay RL3, RL4 configuration	Controller output, probe wash, alarm relay
Cycle time	1 – 3600 sec.
Delay time	1 – 3600 sec.
Test mode	ON, OFF
SSR outputs (solid state relay outputs)	
SSR1 and SSR2	60 V, max. 100 mA, bidirectional, NPN, PNP
Resistance when switched on	± 0.01 mA
Leakage current in switched-off state	max. 1 μ A
SSR1 and SSR2 configuration	Pulse output
Frequency range	0 – 400 pulses/min.
Impulse length	100 ms
Test mode	0 – 400 pulses/min.
Outputs 4 – 20 mA	
Analogue output signals	2 outputs 4–20 mA, galvanically isolated from each other and from the power supply
Accuracy	± 0.01 mA
Load	max. 800 Ω
Test mode	3 – 23 mA
Digital inputs	
Input for measuring water shortage	potential-free contact, 5 V DC, max. 6 mA
User interface	
Terminal connection clips	removable screw terminals AWG 14 < 2.5 mm ²
Display	graphic LCD display with 128x128 pixels
Keyboard	Membrane keys with pressure point
Update time	500 ms
Backlight	white, green and red with energy-saving function

Selection table

TOPAX L	Measuring ranges**
CH / CD	free chlorine (Cl ₂) / chlorine dioxide (ClO ₂)
PH / RD	pH value / Redox
LF	Conductivity inductive, conductivity conductive
MA	Optical measuring cells: turbidity, dissolved oxygen
	Membrane-covered measuring cells: bromine, hydrogen peroxide, chlorite, peracetic acid, total chlorine, chlorine, chlorine dioxide

** Sensors as accessories in the price list



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