

## Important Water Parameters under Control

The single-channel controller TOPAX L from Lutz-Jesco, monitors a wide variety of water parameters and allows control - in real-time - of any connected metering systems for treating water.

Available in several different configurations, the TOPAX L allows measure and control of total and free chlorine, free chlorine, chlorine dioxide, hydrogen peroxide, pH, Chlorite, redox potential and conductivity.

All TOPAX L models also measure temperature.

For maximum application flexibility, a wide variety of optical and membrane-covered measuring cells can be directly connected to the unit.

Due to its compact design, the TOPAX L can easily be integrated into existing systems.

The large monochrome display with graphic symbols allows for a quick read of all important parameters.

For even more ease of use, the unit features a three-color backlight to display certain modes or alarms.

Five control buttons allow for easy calibration and configuration of the unit. A password feature protects against unauthorized use.



### Parameters measured

- pH / ORP (redox)
- Total and Free Chlorine
- Ozone
- Peracetic acid
- Bromine
- Turbidity
- Flow rate
- Conductivity
- Chlorine dioxide
- Hydrogen peroxide
- Chlorite
- Dissolved oxygen
- Suspended solids

Measuring and Control Technology ■ TOPAX L



## Technical Data

Power Supply	
Power supply	100 - 240 V AC, 50/60 Hz
Power consumption	8 W*
Fuse for power supply	Fuse glass body 5 x 20 mm, T1.25AL250V
Short-circuit protection	Active
Relay outputs	
RL1, RL2, RL3, RL4	mechanical 250 V AC / 5 A, 30 V DC / 3 A
Relay RL1, RL2 configuration	Load activation
Relay RL3, RL4 configuration	Load activation, probe cleaning, alarm repeat
Cycle duration	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 powered on	± 0.01 mA
Leakage current in switched-off state	max. 1 µA
SSR1 and SSR2 configuration	Pulse output
Frequency range	0 - 400 pulses / min.
Pulse 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
Resistance	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 <sup>2</sup>
Display	graphic LCD display, 128 x 128 pixels
Keyboard	Membrane keyboard with pressure pads
Update time	500 ms
Back-light Display	white, green and red back-light with energy-saving function

\* Topax alone: 8 W; unit + 1 digital probe: 10.5 W; unit + 2 digital probes: 13.5 W

## Topax L Configurations

TOPAX L	Measured parameters	Part No.
CH / CD	free chlorine (Cl <sub>2</sub> ) / chlorine dioxide (ClO <sub>2</sub> )	40700003
PH / RD	pH value / Redox	40700001
LF	Conductivity inductive, conductivity conductive	40700002
MA	for membrane-covered, optical measuring cells, bromine, turbidity, hydrogen peroxide, chlorite, peracetic acid, total chlorine, dissolved oxygen, chlorine, chlorine dioxide	40700004