

EASYPRO COMPACT water sampling station for swimming pools



The compact one

The **EASYPRO COMPACT** combines all the components of the EASYPRO MC-C on a small baseplate. The highly compact structure of the device is achieved by the location of the water flow and the sensor recording (except for chlorine) within the station.

The measuring cells are characterised by their high-quality and measurement accuracy. In combination with the **TOPAX[®] MC** controller this enables the comprehensive measurement, display, control and recording of all important water parameters.

The wall bracket included in the scope of delivery enables simple installation. For inspection, maintenance and service purposes, the station can be opened in a manner similar to a cupboard door; and thus remains easily accessible.

General

- Monitoring and control of various water parameters
- Continual recording of the water parameters
- Compact design
- Including TOPAX[®] MC multi-channel controller
- Low water consumption
- Connector system for water connections

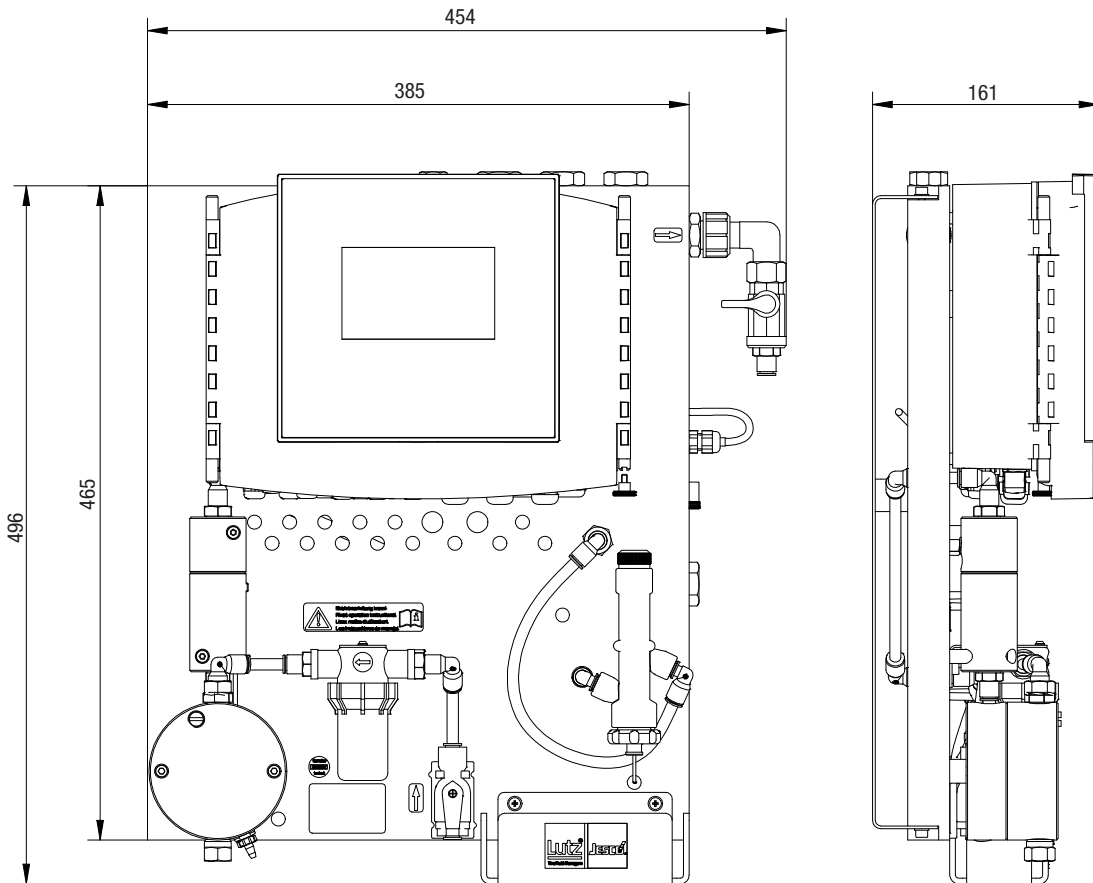
Technical data

EASYPRO COMPACT			
Sample water requirement		l/h	30 approx.
Sample water inflow and discharge		mm	PE hose 6/8 + stop valve with G1/4 connection
Pressure resistance		bar	max. 6
Pressure loss in the water sampling station		bar	0.3 approx.
Voltage supply			100 – 240 V AC, 50/60 Hz
Power consumption		W	max. 20
Analogue outputs for remote transmission			4 x 0/4 – 20 mA, working resistance max. 500 Ω
Disturbance variable input		mA	0/4 – 20
Interfaces			Ethernet TCP/IP or RS485 Modbus RTU (optional)
Protection class			IP65 (electronic controller)
Ambient temperature		°C	-5 to +45 (no exposure to direct sunlight)
Control characteristic			P, PI, PID or PD behaviour, control direction selectable with disturbance variable feed forward, 2-side control selectable
Measuring inputs (depending on version)			
Number of measuring inputs			3*
Free chlorine	Amperometric 3-electrode measuring cell with potentiostat (DMZ3.1)	mg/l	0 – 15 (dependant on the input module and the measuring cell transconductance)
pH value	pH single-rod measuring cell	pH	2 – 12 (dependant on the single-rod measuring chain)
Redox value	Redox single-rod measuring cell	mV	-1000 to +1000
Temperature	Pt100	°C	5 – 45
Output modules (depending on version)			
Number of output modules			4
Relays			2 x 230 V AC, 5 A (ohmic load)
Optocoupler			2 x 80 V DC, 5 mA

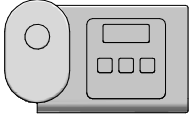
* Additionally, up to two temperature sensors can be connected

Dimensions

All dimensions in mm



Accessories



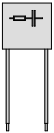
Photometer

- Internal memory for 16 data sets
- Automatic switch off
- Real-time clock and date
- Adjustable functional display
- Illuminated display
- Water-tight (analogue IP68, 1 hour at 0.1 metre)



Buffer solutions

- pH value: pH 6.80 and 9.27
- Redox value: 468 mV
- Conductivity: 12.88 mS/cm and 50 mS/cm



Switching device suppression module

- -20 to +70 °C
- 22 × 27 × 11 mm
- 50 W (VA)



TopView 4 visualisation software

- Visualisation and monitoring of the EASYPRO COMPACT water sampling station
- Retrieval and display of data from the browser for up to 10 users with user-specific view configurations
- Pre-installed TopView license and operating system on an energy-saving microcomputer
- Connection to controller via Modbus TCP network
- Simple configuration and remote access via LAN/WLAN
- Secure connection through VPN and https
- Archiving of all alarms issued and all measured values
- Automatic daily log
- Operating log (optional)