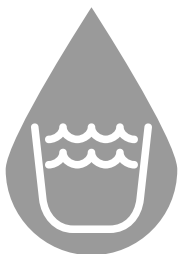


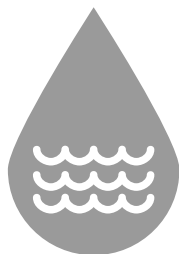


Exact monitoring of your steam boiler with the water hardness analyzer SYCON BoB

> safe operation without permanent supervision for 72 hours



Drinking water



Raw water



Waste water



Boiler water



Cooling water

Safety reliably produced.

RLSWacon
analytics GmbH

The analyzer for water hardness: SYCON BoB

The SYCON BoB is a reliable, precise and fully automatic water hardness analyzer approved by the German TÜV.

- Use in large capacity water boilers with salty, low-salt or salt-free operation with a limit value of 0.01 mmol/l (Δ 1 ppm CaCO_3 or ~ 0.05 °dH) according to EN12953-10, (reagent H25-0.1)
- Use in a circulation boiler with a limit value of 0.005 mmol/l (Δ 0.5 ppm CaCO_3 or ~ 0.025 °dH) according to EN12953-12 (reagent H25-0.05)



General Specifications

Value / Range

Supply voltage	230 V (100 - 240 VAC at 50/60 Hz)
Power consumption	25 VA (during operation)

Technical Data

Value / Range

Dimensions	330 x 300 x 185 mm (W x L x H)
Weight	ca. 4.0 kg
Relay outputs	4 relays, 250 VAC / VDC 4 A, potential-free outputs NC/NO - limit value alert - device error - analysis active/ cooling water - lack of reagent
Analog output	0/4 to 20 mA
Signal input	2 inputs for potential-free contacts for external analysis start, water meter or flow monitor
Digital interface	RS485 with Modbus RTU protocol

Analysis Features

Value / Range

Measuring principle	Colorimetric method (ISO6059)
Accuracy	± 5 %
Shelf-life of reagents	min. 2 years when stored properly (< 25 °C, dark)

Online analyzer SYCON BoB

Art.-NO.

Version 230 V in housing	30-610165
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The SYCON BoB monitors the filling level with a probe and does not only rely on internal calculations.

Further features of the SYCON BoB:

- Simple commissioning through configuration wizard
- Self-calibrating and self-monitoring
- Maintenance-friendly design enables simple mounting, cleaning of the chamber and replacement of wearing parts
- Large graphic display
- Relay outputs for
 - limit value
 - 72 h/reagent alert
 - fault signal
 - feed pump or cooling water valve
- SD card for
 - measured data memory
 - measurement data log
 - software update

The RLS Wacon analytics GmbH is a family-owned enterprise based in Hildesheim, Germany. For more than 40 years, we are developing and manufacturing robust and safe measurement and sensor technology for demanding applications. We hereby consistently focus on quality and well-known products. Our particular interest is the dialogue with customers, partners and suppliers. That's how safety is reliably produced.

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