CONFIGURATION OPTIONS

There are a total of **3 slots**.

Of these, a slot is used for the **power supply** (either 230VAC, 24 VAC or 100-230 VAC wide-range power supply).

The other 2 slots can be equipped with additional plug-in cards. **Measuring cards** are used in the right slot, and **interface cards** are used in the left slot.

Measuring card EC inductive / pH

- 2 current inputs 0/4-20mA
- pH input
- 1 x temperature measurement PT100/ PT1000 2..4 wire circuit
- power supply 24V for transmitter

Measuring card EC/pH

- pH input
- 2 x temperature measurement PT100/PT1000 2..4 wire circuit
- resistance and conductivity measuring 50Ω..100kΩ at 100Hz and 1000Hz to avoid polarization effects

Adapter card Solumetrix

- RS232 interface

Interface card ADI (analog digital interface)

- RS232 interface
- 2 x 20mA current output

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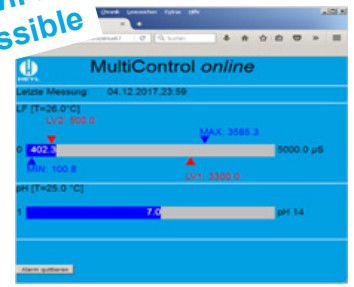
Flyer MultiControl GB 200730

MULTICONTROL CT

CONTROL OF DESALTING AND METERING IN COOLING CIRCUITS

WiFi possible



FINALIST
Großer Preis des MITTELSTANDES

GEBRÜDER HEYL
Analysentechnik GmbH & Co. KG
Water is our Element

PERFORMANCE PROFILE

MULTICONTROL CT OVERVIEW

Using untreated or partially softened water as the feed water for cooling water circuits or air washers usually causes problems such as:

- Limescale,
- Biological deposits by myxobacteria and algae (bacterial contamination)
- Corrosion of metallic materials.

Automatic monitoring and conditioning of the circulating water is important to prevent this from happening.

We have developed the automatic desalination device **MultiControl CT** according to **VDI 2047 part 1 and 2** for this application.

Desalination can be controlled either by conductance or by TDS. There is a locking mechanism to stop desalination after a biocide dosing. The duration of desalination can be monitored.

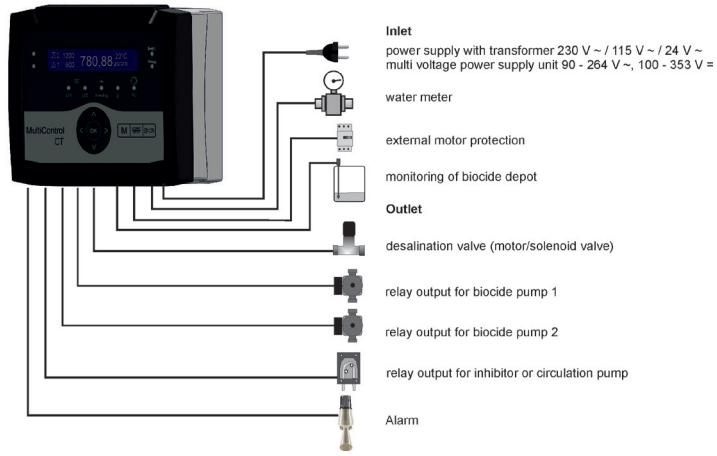
The **biocide dosing** may either take place after a certain number of days or regularly on certain days of the week at a fixed time. Preliminary desalination is available as an option.

For quantity-based **inhibitor dosing**, there are various adjustment options available for the dosing point and dosing period.

Circulation may either take place after a certain number of days or regularly on certain days of the week at a fixed time.

ELECTRICAL CONNECTIONS

MULTICONTROL CT



MultiControl CT controls the desalination and biocide dosing in large cooling and process circuits

TECHNICAL DATA

MULTICONTROL CT

Power supply: 230VAC, 24VAC +/-10% 50–60Hz or 100-240VAC, 100-353 VDC (wide-range power supply)

Power consumption: max. 25 VA (without external load)

Type of protection: IP54

Degree of protection: I

Conformity: EN 61326-1, EN 61010-1 CE

Ambient temperature: 5 – 40 °C

Dimensions MultiControl: ca. 229 x 205 x 117 mm (W x H x D)

Weight: approx. 1,5 kg

Accuracy: ± 2 digit or
± 5% from the measuring range end, depending on the probe used

Resolution: 0,001 µS/cm to 0,1 mS/cm depending on the measuring range

Automatic or manual temperature compensation, temperature coefficient 0- 9,99%/°C

Temperature display: 0,0 to 150 °C ± 0,5 °C

Current interface (only with ADI card): 0/4- 20 mA, max. load 500 Ω, galvanically isolated

RS232 interface: 2400..115200 baud, 8 Bit,
2 stop bits, no parity