

Softcontrol Data

chemical-free online-water hardness monitoring

UNIQUE

In contrast to conventional water monitoring devices Softcontrol Data operates with a selective sensor for calcium and magnesium ions on potentiometric method basis.

INDIVIDUAL

The threshold value to be monitored can be set individually in steps in the water hardness range from 0.01 mmol/l up to 0.18 mmol/l and signaled via a current loop and LAN data interface.

Alternatively, the measurement units mmol / l, °f or ppm can be selected. Measured values and status information are stored on an integrated flash drive.

You can choose between German and English to output the data on the display. Softcontrol Data has different measurement modes and can therefore be flexibly adapted to the respective measurement task.



ENVIRONMENTAL

An addition of reagents or indicators is not necessary. This makes the device environmental friendly and cost-effective.

SAFE

The cyclical self-monitoring of sensor performance and measuring functionality contribute significant to an interference-free process flow.

COMPATIBLE

Softcontrol Data is installable in every water softener system on cation exchange base. Also a subsequently installation into an existing system is possible.

UNCOMPLICATED

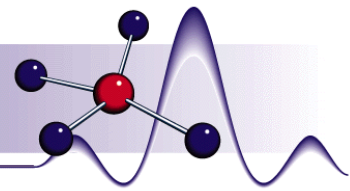
Installation, commissioning and operating of Softcontrol Data are completely uncomplicated. Also the sensor can be changed easily by pushing it into the measuring chamber.

WELL- ARRANGED

A clearly represented display shows water hardness evaluation, functional status and the momentary soft water capacity at the first glance. With three double assigned buttons Softcontrol Data can be parameterized and information can be recalled. Displaying of water hardness evaluation is shown in absolute values in the measurement units mmol/l, °f or °dH.

EASY TO MAINTAIN

Except an occasional sensor exchange Softcontrol Data is nearly maintenance free.



TECHNICAL DATA

| | |
|-------------------------------|---|
| wall mounted | 400 x 250 x 160 mm (W x H x D) |
| weight | about 8 kg |
| surrounding temperature | 5 °C ... 50 °C |
| relative humidity | 20 % ... 80 % |
| power supply | power supply unit 100 ... 240 Volt / 50 ... 60 Hz |
| power consumption | 15 V DC, about 20 Watt |
| raw and soft water connection | branch pipe with connection for PA-hose o.d. 4 mm, i.d. 2 mm, up streamed dirt filter ≤ 0.1 mm recommended |
| raw and soft water pressure | minimum 1 bar up to maximum 10 bar |
| drainage | minimum Ø 15 mm, pressure-free |
| quality of raw and soft water | natural water, free of grease, oil or brine germ content < 5000 CFU/ml |
| hardness range raw water | 0.72 mmol/l ... 10.7 mmol/l |
| hardness range soft water | 0.0018 mmol/l ... 0.18 mmol/l |
| threshold value calibration | 0.01 mmol/l ... 0.18 mmol/l |
| sensor control | automatically |
| signaling | threshold value exceeding sensor exchange |
| external signaling | potential-free contacts (for alarms: sensor and threshold value) |
| measurement output | active current loop 4 ... 20 mA (4 mA = 0.01 mmol/l and 20 mA = 0.18 mmol/l) LAN data interface with MODBUS/TCP |
| data storage | electronic operations diary (flash drive) |
| operation time of sensor | about 6 to 9 months (without warranty) |