



Chemical-free online-water hardness monitoring

Softcontrol-Data

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 monitored soft water threshold value can be individually defined in steps for a water hardness range of 0.01 mmol/l up to 0.18 mmol/l.

The measuring values can put out through a current loop. Alternatively the measuring values can put out via a RS232-interface to an OFS-data logger, which allows a record of the hardness progress. Data can be displayed in German, English or French.

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.



ACCESSORIES KIT

- 1 selective sensor for calcium and magnesium ions type 620
- 4 m sampling hose \varnothing 4 mm o.d. / 2 mm i.d.
- 2 m drainage hose \varnothing 15 mm o.d.
- 2 screw joints 1/4" to 4 mm hose
- 2 prefilters 100 μ m (optional)
- 1 manual

TECHNICAL DATA

Dimension of case:	400 x 250 x 160 mm (W x H x T), wall mounted
Weight:	approx. 8 kg
Surrounding temperature:	5°C ... 50°C
Relative humidity:	20% ... 80%
Power supply:	power supply unit 100 ... 240 V / 50 ... 60 Hz
Power consumption:	15 V DC, approx. 20 W
Raw and soft water connection:	branch pipe with connection for PA-hose o.d. 4 mm, i.d. 2 mm, up streamed dirt filter \leq 0.1 mm recommended
Raw and soft water pressure:	minimum 1 bar up to maximum 10 bars
Drain:	minimum \varnothing 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:	0.2 mmol/l ... 10.8 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
External signalling:	potential free contacts alternatively current loop 4...20 mA (with 4 mA = 0,01 mmol/l and 20 mA = 0,09 mmol/l)
Operation time of sensor:	approx. 6 ... 9 months (without warranty)

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