

Softcontrol Smart

the simplest residual hardness monitoring
based on 10% of the raw water hardness



Always easily and accurately monitor the soft water for increased hardness levels. It offers a continuous, safe threshold value monitoring with alerting on exceeding. With a fixed hardness threshold value of 10% based on the input water hardness, the device triggers an alarm.

Softcontrol Smart is small, compact and very simple - for more security of your processes without constant maintenance effort of the monitoring device.

at a glance

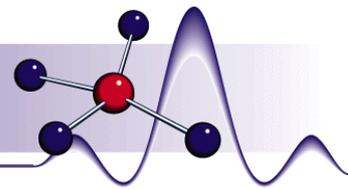
- mini water hardness monitoring on every water softening unit regardless of type and size
- continuous, safe threshold value monitoring with alarm on exceeding
- very easy installation without parameterization
- no indicator consumption
- ecological operation because there is no addition of indicators
- collective alarm via potential-free contact if threshold value is exceeded, brine alarm and service case
- increased operational and process reliability with integrated self-monitoring

advantages

- easiest and most reliable detection of hard water intrusion
- fixed hardness threshold value of 10% based on the input water hardness

application

- suitable as the simplest threshold monitoring of water softening systems with reverse osmosis upstream

**UNIQUE**

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

ENVIRONMENTAL

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

UNCOMPLICATED

Easy installation, commissioning and operating of Softcontrol Smart. There is no need of parameterizing by the user. The replacement of the sensor will be realized by a simple push in into the measurement chamber.

RELIABLE

The device operates automatically and signalizes the exceeding of threshold value and possible brine-shears.

SAFE

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

COMPATIBLE

Softcontrol Smart can be installed in every water softener system on cation exchange base. There is no problem to install the device subsequently into an existent system.

COMPACT

Softcontrol Smart is a compact system rife with functionality and modern technology. A clearly represented LED display shows functional status and water hardness evaluation at the first glance.

technical data

dimension of case:	120 x 80 x 55 mm (W x H x D), wall mounted
weight:	appr. 500 g
surrounding temperature:	5°C to 50°C
relative humidity:	20% to 80%
power supply:	wall power supply 100 ... 240 V / 50 ... 60 Hz
power consumption:	15 V DC, approx. 4 Watt
raw and soft water connections:	branch pipe with connection for PA-tube 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 bars
drain:	minimum ø 8 mm, pressure free
quality of raw and soft water:	natural water, free of grease, oil and brine germ content < 5000 CFU/ml
hardness range raw water:	0.18 mmol/l up to 10.8 mmol/l, natural water
evaluation of water hardness in soft water:	from 0.018 mmol/l
signaling:	collective alarm via potential-free contact if threshold value is exceeded, brine alarm and service case
operation time of sensor:	approx. 6 ... 9 month (without warranty)