

## 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

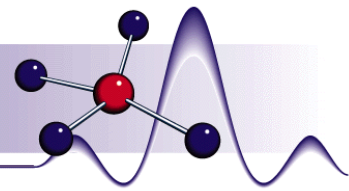
- mini water hardness monitoring on every water softening unit regardless of type and size
- continuous, safe threshold value monitoring with alarm on exceeding
- very easy installation without parameterization
- no indicator consumption
- ecological operation because there is no addition of indicators
- 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)