

Softcontrol V/UE

chemical-free online-water hardness monitoring

For certain processes, a low water hardness is required. To achieve this, the soft water is blended with the raw water. The continuous monitoring of the water hardness behind a blending system with Softcontrol-V / UE is thus of great importance.

UNIQUE

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

INDIVIDUAL

The monitored upper threshold value can be parameterized at the device. With exceeding of this threshold value, alarm will be triggered by a contact. Also an alarm delay is parameterizable individually. Measurement values and status information can be stored on an integrated USB flash drive.

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.

UNCOMPLICATED

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

COMPATIBLE

Softcontrol-V/UE can be installed in every blending system for water, which has additionally to the sampling point for blended water also a sampling point for raw water. Also a subsequently installation into an existing system is possible.

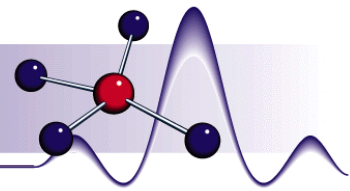
WELL- ARRANGED

A clearly represented display shows water hardness evaluation and functional status at the first glance. Softcontrol-V/UE can be parameterized with four buttons.

EASY TO MAINTAIN

Except an occasional sensor exchange Softcontrol-V/UE is nearly maintenance free.





TECHNICAL DATA

wall mounted	400 x 250 x 160 mm (W x H x D), wall mounted
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 blended 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 blended water pressure	minimum 1 bar up to maximum 10 bar
drainage	minimum Ø 15 mm, pressure-free
quality of raw and blended water	natural water, free of grease, oil or brine germ content < 5000 CFU/ml
hardness range raw water	0.72 mmol/l ... 32.4 mmol/l
possibility of calibration	0.2 mmol/l ... 10,8 mmol/l
input actual value of blended water hardness	
setting of threshold value	0.2 mmol/l ... 10,8 mmol/l
sensor control	automatically
external signaling	potential-free contacts (sensor alarm, threshold value alarm) 4 ... 20 mA current loop, paramterizable
operation time of sensor	about 6 to 9 months (without warranty)