BRAN+LUEBBE
A N A L Y T I C S

PowerMon
The No. 1 Innovation

Natriometer

The PowerMon Natriometer is a versatile applicable on-line measuring instrument. It guarantees a permanent optimal water quality by the continuous supervision of the sodium content in ultra pure water or during water treatments.
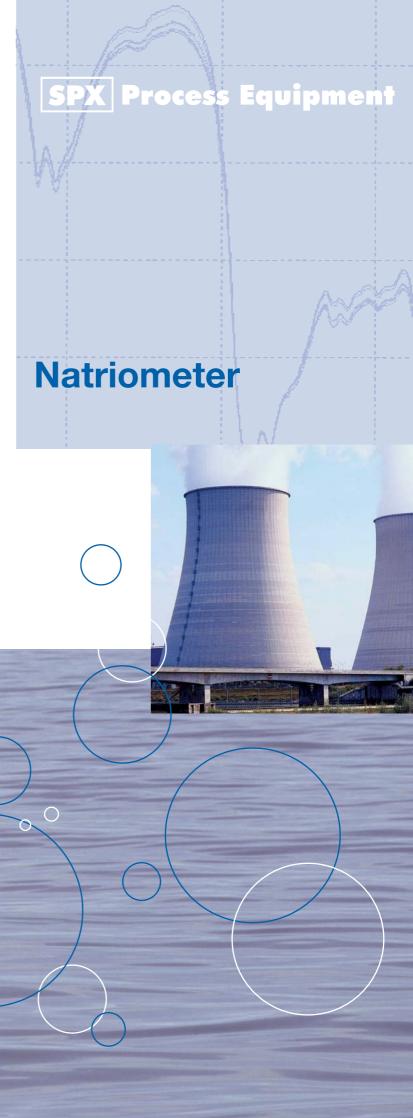
Apart from higher precision and shortening of the measuring cycles the PowerMon offers a special highlight: For the measurement of most diverse parameters (e.g. oxygen, pH, redox, conductivity etc.) the connection of various sensors is possible!

For the individual sensors the PowerMon automatically takes over the functions of the transducers. It is also possible to set the separate results against each other.

A remote supervision enables the permanent control of the correct function of your plant. The highest possible data transfer over the interfaces, as well as the operation of the PowerMon via the touch screen user interface ensures an easy and user friendly operation.

PowerMon Natriometer

The compact and modular design of the PowerMon can contain up to six on-line measuring points in one device and enables a space-saving and economic operation

Applications

- Sodium in boiler feed water
- Sodium in ultra pure water

Advantages

- fully automatic operation
- easy, comfortable operation
- fast data transfer
- precise results
- self-monitoring system
- minimum operating cost by small reagent consumption
- connection of up to 100 external, physical measuring sensors

- remote maintenance and network ability
- update of the operating software or download of data by USB stick
- graphic user interface with interactive Touch Screen operation
- second measuring point without surcharge
- operation also possible without housing

Technical data

Measuring method
Potentiometric

Measuring cycle
at least 6 min.

Measuring range in mg/l
Na^+ 0-0.02 to 0-1000 mg N/l

Precision
typ. < 2% of measuring range (end of value)

Drift
typ. < 1% of measuring range (end of value)

Reagent supply
for approx. 4 weeks

Number of measuring points
max. 6

Output signal
0/4-20 mA
max. load 500 OHM
characteristic curve:
linear/logarithmic
galvanically isolated

Interfaces
USB / Ethernet

Option:
modem: analog, GSM, ISDN
Profi Bus DP

Relay contacts
4/12 potential free contacts
free allocable
(e.g. alarm contact)

Digital inputs
4/12 e.g. activating and deactivating of measuring points, system control

Sample
pressure-free

Temperature
15 - 45°C (288 - 308 K)

Flow
3 – 10 l/h
free from suspended matter and oil

Connection
tube, flexible
(ID 1.5 - 3 mm)

Drain
pressure-free
tube, flexible
(ID 10 mm)

Power supply
85…264 VAC at
47…63 Hz or
120…370 VDC

Power consumption
max. 150 VA

Environmental temperature
15 - 35°C (288 - 308 K)

Installation
wall-mounted

Protection class (EN 60529)
IP 65 (electronics)
IP 54 (with housing)
IP 21 (with jacket)

Weight
housing with reagent cabinet
53 - 60 kg without reagents

Dimensions (height x width x depth)
housing: 700x600x320 mm
with reagent cabinet:
1100x600x354 mm

For further informations please contact our technical Support