LENNTECH
WATER TREATMENT SOLUTIONS

Sodium analyzer CA76NA

Potentiometric system for the monitoring of boiler feedwater, steam, condensate and ion exchangers

Benefits:

- Protection of expensive plant equipments in the power industry: CA76NA sodium analyzer monitors low levels of sodium in water steam cycles detecting carryover and impurities in your power plant.
- Early indication of condenser leaks via online sodium measurement after the condensate extraction pump.
- Reduced operating costs thanks to low consumption of DIPA reagent and standard solution.
- Precise measurement: Separate reference pH electrode for accurate temperature compensation and optimized pH value adjustment.
- Optimized investment costs: One analyzer for up to six sample channels.
- Perfect process adaptation: Individual selection of sample channels and freely adjustable measuring intervals.

Specs at a glance

- **Measuring range** 0.1 to 9999 µg/l (ppb) Na
- **Process temperature** 10 to 40 °C (50 to 104 °F)
- **Process pressure** 1 to 5 bar (abs) 14.5 to 72.5 psi

Field of application: Protect your water steam cycles and ion exchangers with the CA76NA sodium analyzer! An increase in sodium levels in high-purity or boiler feedwater indicates the presence of unwanted dissolved impurities. This can cause serious damage and consequently expensive repairs. CA76NA provides highly accurate online monitoring of water quality and enables fast detection of critical events. The sodium analyzer supports your preventive maintenance strategy to keep your power plant running.

Features and specifications

Analyser

Measuring principle
Potentiometric / ISE

Characteristic
Analyser for sodium in boiler feedwater, steam, condensate and ion exchangers

Size
850 x 450 x 250 mm
33.5 x 17.7 x 9.8 inch

Design
Panel stainless steel 1.4301

Process temperature
10 to 40 °C
(50 to 104 °F)

Ambient temperature
5 to 40 °C
(41 to 104 °F)

Process pressure
1 to 5 bar (abs)
14.5 to 72.5 psi

Sample flow rate
10 to 15 l/h
2.64 to 3.96 gal/h

Application
Online sodium monitoring in boiler feed water, water steam cycles, condensate and ion exchangers

Power supply
100 to 240 V AC, 50/60 Hz

Analyser

Output / communication

0/4 to 20 mA

Measuring range

0.1 to 9999 µg/l (ppb) Na

Consumables

CA76NA sodium electrode,
CA76NA pH combination electrode
CA76NA standard solution 5100 ppb Na

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