## 9031CX SODIUM ANALYZER

Waltron's 9031CX Sodium Analyzer combines simplified design with uncompromised performance. This economic option can save your budget as well as mounting space.

Common 9031CX Sodium Analyzer application points in a boiler system for online sodium measurement include: make-up water, condensate, boiler feedwater and saturated steam/main steam.

Please contact us for panel mount version.



Large user-friendly color touch screen interface

**Compact size** 

Wide analysis range: 0.1 ppb - 10ppm

Quick connect electrodes and probe positioning clamps

Two 4-20 mA isolated current outputs

Low reagent and standard consumption

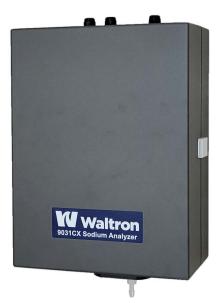
Internal data logger set to store readings every 10 minutes for 30 days

Minimal maintenance required

Automatically stores last 10 calibrations and alarms

Reagents: Ammonium Hydroxide (standard) or Di-isopropylamine (optional)





See reverse side for specifications.

## 9031CX SODIUM ANALYZER | GENERAL SPECIFICATIONS **PERFORMANCE** Range 0.10ppb - 10ppm ±5% of reading or ±0.1ppb (whichever is greater) within ±5°C of calibration **Accuracy** temperature Reproducibility ±5% of reading or ±0.1ppb (whichever is greater) at constant temperature **Response Time (approximate)** 90% of 10-1ppb step: 3 minutes; 90% of 100-1ppb step: 5 minutes **Temperature Compensation** Automatic Alkaline vapor buffer: 0.88 SG (28% to 30% NH3) ammonia above 0.1 ppb pH Compensation sodium, 99% diisopropylamine solution below 0.1ppb sodium **Calibration** Manual calibration Two isolated 4-20mA current (analog) outputs **Current Outputs Digital Outputs** Communication interface via RS-232 & RS-485 using MODBUS RTU protocol **Alarms** Three voltage-free contacts, alarm points set from transmitter rated at 2A, 250VAC (non-inductive) Wide range of input power supply 90VAC - 250VAC Power Meets low voltage and low electromagnetic compatibility directives **Certification (on request) SAMPLE DELIVERY OPERATING CONDITIONS** Sample Temperature: 41 - 131°F (5 - 55°C); Flow 150 - 400 ml/min 32 - 131°F (0 - 55°C) **Ambient Temperature Pressure** 5 - 30 psig (0.35 - 2.07 bar) Composition Sample should be filtered to 60 microns, free of film forming compounds **MECHANICAL** Construction Transmitter - high strength ABS,IP65 (NEMA 4x) Wet Section - high strength ABS and sheet metal, all wetted parts stainless steel or PVC,IP55 (NEMA 4) **Dimensions** Transmitter: Height = 10.92" (27.74 cm), Width = 7" (17.78 cm), Depth = 3.54" (8.99 cm) Wet Section: Height = 18.25" (46.36 cm) including drain, Width = 11.25" (28.58 cm), Depth = 7.63" (19.38 cm) Mounting Four key-style holes: Height = 0.86" (2.18 cm), Top Width = 0.281" (0.714 cm), Radius = 0.28" (0.711 cm) Horizontal: 9" (22.86 cm), Vertical: 12.875" (32.70 cm) Weight 23 lbs. (10.44 kg) Wiring Eight (8) conduit knockouts **Piping** Sample Inlet: 1/4"(0.635 cm) OD Swagelokt, Drain: 3/8"(0.953 cm) OD tube Distance Up to 325 feet (100 meters) on request **Finish** Corrosion resistant





WALTRON GROUP HEADQUARTERS 25 Minneakoning Road, Suite 101 Flemington, NJ 08822 USA Phone: +1 908 534 5100 Fax: +1 908 534 5546