

KVB-Enertec™ SEAL™ Controller

Babcock & Wilcox (B&W) introduces the SEAL™ controller for air emissions monitoring. The SEAL controller is a source emissions air logger that provides the ultimate platform for air emissions monitoring through its advanced user interface, scalability, mobile alert notifications and secure access.

The SEAL controller is the only platform currently available for collecting, storing and calculating air emissions data with secure, built-in Wi-Fi capability. Notifications can be automatically pushed to the user. Its design and construction is compliant with today's security requirements and includes a customer-driven touch screen interface. The SEAL controller can replace previous technologies and provides users with many improved features.

Key Features

- Latest in user interface (UI) and touch screen principles
- Efficient UI reduces training requirements and errors, turns on/off pumps, schedules maintenance, and checks calibration results with minimal screen touches
- Six USB ports allow access to any USB-supported device
- Built in Wi-Fi and application to securely interact with the SEAL controller while on the stack, during a relative accuracy test audit (RATA), changing out sorbent traps, switching out calibration bottles, or remotely viewing calibration
- Scalability – Up to four CEMS on a single SEAL controller
- Up to 960 data channels
- Two-year warranty, with repair services available
- Snap-and-go pigtailed allow upgrade from competitors' models
- Secure web server (128-bit encryption)
- Centralized user authentication
- Auditing capabilities
- Secure access using HTTPS, SSH and SCP
- Logic to perform calculations and control
- Analog/digital data logging with web-based viewer and historical data file export via USB ports in Microsoft Excel
- Alert notifications (e-mail, text, pager)



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SEAL™ Controller Specifications

CPU	Intel Atom N2800
Speed	1.86 GHz
Cache	64K L1/1MB L2
Data bus	64 Bit
Flash	32 GB SSD
DRAM	4 GB DDR 3
Ethernet	Dual Gigabit
Serial Port 0	Standard – RS232
Serial Port 1	Standard – RS232
MODBUS	MODBUS protocol is supported on any serial or Ethernet port
LCD	7 inch, 16 million colors, resolution 1024x600, TFT active matrix
USB	USB 2.0 – four rear, 2 front
Channels (local I/O)	960
Digital I/O points	1500 maximum
Power	Universal 110/220 VAC, 50/60 Hz, less than 100W
Wi-Fi	Included
Dimensions	3U
I/O expansion slots	18
Expansion: points per card	16*
Maximum CEMS per unit	4
Isolated RTD analog inputs / Isolated thermocouple inputs	288
Warranty	2 Years

* Most cards

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