CEMS Cabinet Controller

CEMx800 & CEMx1000

Total solution for a CEMS cabinet when you need it, from cabinet parameters to QAL3 management.

WE STAND OUT TO BE YOUR SOLUTION

Continuous Emission Monitoring System is a huge topic which consisting of in-situ sensors, sampling system who needed control, analysers, validation procedures, monitoring software platform.

CEMx800 and CEMx1000 series controllers help to CEMS system integrators to handle all the requirements of a CEMS cabinet such as data acquisition, cabinet management, sampling system control and automatic QAL3 control with one controller solution.

Data Acquisition

There are some local parameters that are collected in the CEMS cabinet, except gas and dust parameters.

The CEMx800 and CEMx1000 series controllers allow you to collect these data thanks to 4-20 mA, 0-10 Vdc analogue channels and Digital Channels.

Sampling System Controls

The CEMx800 and CEMx1000 series units has 4 independent PID Controller inside and its Analog inputs allows K Type thermocouple, Pt100 and 4-20 mA signals.

These can be used for probe or heated line or gas cooler temperature controls.

Auto - QAL3 Management

The CEMx800 and CEMx1000 series units let you to do automatic control for your QAL3 operations.

When you design valves and reference gas cylinders and connect to our controller, QAL3 operation starts automatically on time and manage the valves respectively and CEMS software notes the measurements according to reference values to provide you CUSUM - EWMA - SHEWHART Reports.

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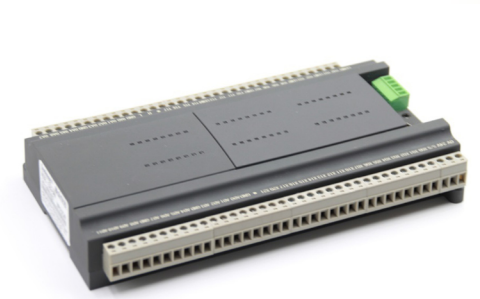
CEMx800



Technical features

- For application which mainly without need display
- It is good matching with application bundled Panel PC and Emission Monitoring Software on CEMS cabinet
- Multiple Analog Inputs, Digital Inputs to collect data
- Multiple Analog Outputs and Digital Outputs for control and alarm management of cabinet and sampling system.
- Multiple communication options for CEMS software platform
- DIN-Rail mounting - Industrial Design

Technical features

- For application which mainly needed a display on CEMS cabinet
- It is good matching with the application in case of CEMS Monitoring Software seperated from the CEMS cabinet
- Multiple Analog Inputs, Digital Inputs to collect data
- Multiple Analog Outputs and Digital Outputs for control and alarm management of cabinet and sampling system.
- Multiple communication options for CEMS software platform
- Panel Mounting - Industrial Design
- 7" Color Touchscreen

CEMx1000

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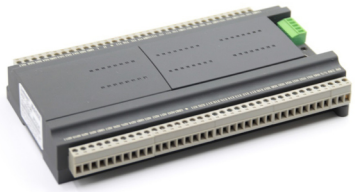
CEMx800



CEMx1000

Technical Data

Analog Inputs	4 x Pt100 channel, 2 x K Type Thermocouple channels, 4 x 4-20 mA channels and 1 x 0-10 Vdc channel
Digital Inputs	18 x Digital Input Channels, for on-off status information entries.
Analog Outputs	4 x 4-20 mA and 4 x 0-10 Vdc
Digital Outputs	16 x Relay outputs and 3 x DO Digital Output
Communication	1 x Rs485 and 1 x Ethernet (both are Slave only and only communicates with v6 Emission Software)
Power	24 Vdc
Dimensions	100x200x44 mm
Display	7" Color Touchpanel (CEMx1000 only)

The table above is for both CEMx800 and CEMx1000.

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