



SmartCEMS[®] Remote Terminal Unit

Product Overview

The **SmartCEMS[®] Remote Terminal Unit** is a component of a predictive emission monitoring system (PEMS) that provides continuous stack gas analysis for pollutants and diluents under U.S. EPA 40 CFR Part 60 and/or U.S. EPA 40 CFR Part 75 regulations. The PEMS Analyzer will meet the requirements of Subpart E of Part 75 and/or and the standard under Part 60, PS-16. The PEMS Analyzer is typically used on combustion turbines and gas or oil fired boilers and heaters, but can be applied to any number of industrial processes. The CMC PEMS is an acceptable regulatory alternative under the existing and proposed U.S. Federal and State regulations, and E.U. where continuous emissions monitoring systems (CEMS) for source emissions compliance are required.

The SmartCEMS Remote Terminal Unit can be used on most combustion sources that fire gaseous or liquid fuels and for most compliance parameters such as NO_x, SO₂, CO, CO₂, O₂, H₂S, hydrocarbons, ammonia, and formaldehyde just as a few examples. The software is easy to setup and configure with a nonproprietary user interface and other advanced features that make it cost effective to maintain. SmartCEMS RTU is designed to meet the requirements of SCAQMD and Reclaim regulations.

Product Features

HARDWARE SPECIFICATIONS

- Stainless Steel Nema 4X Enclosure
- Flash hard drive – no moving parts
- 2 GHz Intel Core I2 processor with 4 GB RAM
- Allen Bradley Micrologix PLC with programming
- Compact solenoids, flush mount panel button and light
- Quick connections at bottom for portable analyzer interface
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RTU Software can be loaded with any CMC software component:

- SmartCEMS PEMS Analyzer (SCPA) or
- SmartCEMS Continuous Parametric Monitor (SCCPM)

