



SmartCEMS® Flare Flow Monitor

Product Overview

The **SmartCEMS® Flare Flow Monitor** is a very reliable device consisting of a stainless steel pitot flow element in the stack and dynamic ranging difference pressure and temperature sensors. The flow monitor can be installed on any stack including flare stack or flare feed lines using a standard ANSI or ISO flange. The flow monitor along with the computation software and interface allows for complete flare monitoring per the applicable regulatory standards.



The CMC SmartCEMS Flare Flow Monitor has been engineered to be extremely reliable and rugged in its stainless steel enclosed stack components. The stack probe is connected to the control and computer components via a dedicated utility line. The high and low flow pressure cells are isolated using electrically activated solenoid valves. The computational engine built in provide an analog output scaled for stack gas volumetric flow. The SmartCEMS Flare Flow Monitor is an acceptable regulatory alternative for onsite OA under the existing and proposed U.S. Federal and State regulations, and E.U. guidelines for flare sources.



Product Features

HARDWARE SPECIFICATIONS

- Stainless steel stack components
- High quality temperature and pressure sensors
- Integrated computation flow controls
- Allen Bradley ControlLogix PLC with programming
- Calibration and blowback controllers and solenoids
- Interface to data acquisition systems and PEMS

HARDWARE OPTIONS

- High temperature and ceramic or Inconel Automated blowback