

## MERCURY (Hg) FLUE GAS INLET-OUTLET MEASUREMENT *NEW* Tekran 3300Xi Dual-Probe HgCEM System

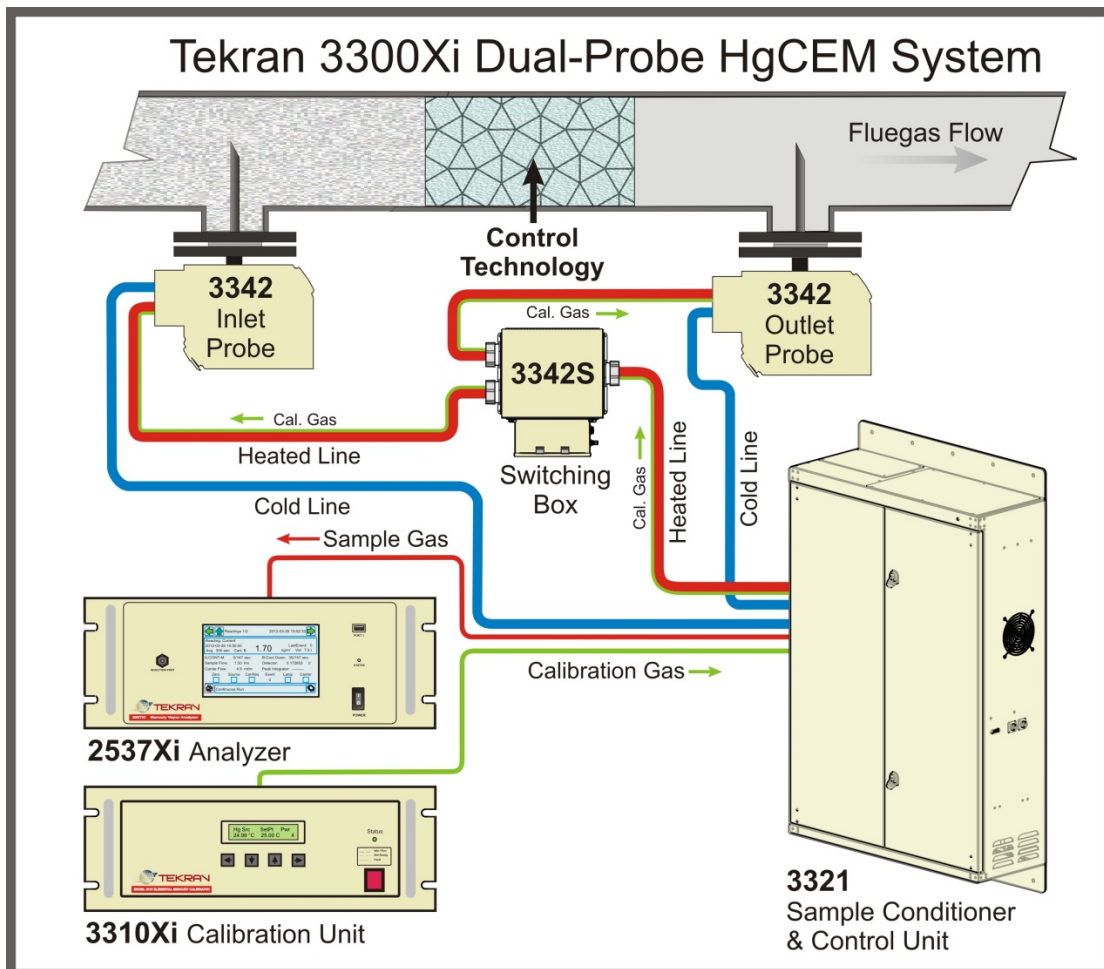
Rev. 041814

### SYSTEM OVERVIEW

The Model 3300Xi Dual-Probe HgCEM System is the next generation of Tekran's proven HgCEM mercury emission monitoring technology. The new elegant and compact physical design lowers the cost of installation, operation and service through advanced modularity, functionality and a new software interface. This means the 3300Xi can easily accept a second probe for continuous monitoring upstream and downstream of installed control technology. The 3300Xi Dual-Probe HgCEM System is anchored by a common 2537Xi Analyzer, 3310Xi Elemental Mercury Generator and 3321 Conditioner & Controller Unit (CCU) that switches between two sampling probes as depicted in the figure below.

### APPLICATIONS

- Mercury control technology
  - Research and development
  - Acceptance testing at new installations
  - Optimization and performance monitoring
- Regulatory monitoring of multiple, close-proximity emission stacks



**CONTACT [CEMPARTS@TEKRAN.COM](mailto:CEMPARTS@TEKRAN.COM) FOR MORE INFORMATION**

## **Tekran 3300Xi Dual-Probe HgCEM System A Trusted and Proven Solution for:**

### **Accurate and Cost-Effective Mercury Control Technology Development**

Tekran has supported numerous partners with the supply of accurate flue-gas mercury speciation measurement systems for projects to develop and evaluate:

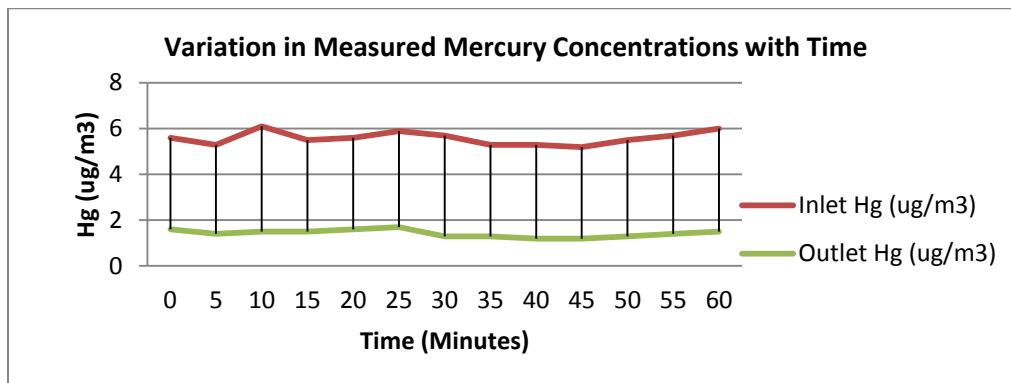
- Activated carbon injection (ACI) products,
- Catalysts used to oxidize and enhance mercury capture,
- Polymer composites designed for absorption of mercury,
- Chemical additives to enhance mercury removal,
- Emission source baseline profiles necessary for compliance planning

***The Model 3300Xi Dual-Probe HgCEM System has been successfully demonstrated here!***

### **Performance and Acceptance Testing of Mercury Control Technologies**

Compliance with EGU MATS and PC MACT regulations will involve a wide selection of mercury control technology solutions. As part of the implementation process, equipment performance guarantees will be developed and contractual guarantees will be enforced. Notable about this dynamic is that:

1. Inlet and outlet conditions for mercury control guarantees will be difficult, at best, to predetermine and therefore specify in contracts,
2. A number of pollution control strategies may be installed in series, each of which could have a significant and varying impact on the other,
3. Performance and acceptance test conditions will vary with time, thereby making the assessment of actual mercury control equipment performance more challenging than steady-state processes.



***Tekran's 3300Xi Dual-Probe HgCEM System can help you sort this out!***

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