

## Tekran 3321 Wall Mounted Sample Conditioner

*Rev. 042114*

The **New Tekran 3300Xi** has the same proven components of the successful Tekran 3300. The Tekran 3300Xi is modular, simpler to install and maintain, includes the new Tekran 2537Xi detector and is operated with updated CEM+ software (Tekran 3321 pictured). The 3300Xi is the ideal platform for inlet-outlet control technology optimization, regulatory monitoring of mercury emissions and bench-scale laboratory research. The Tekran 3300Xi can be configured for determination of total mercury only, or for determination of mercury speciation (elemental mercury, oxidized mercury, and total mercury).

### Tekran HgCEMs are operating at:



2537Xi - Mercury Vapor Analyzer

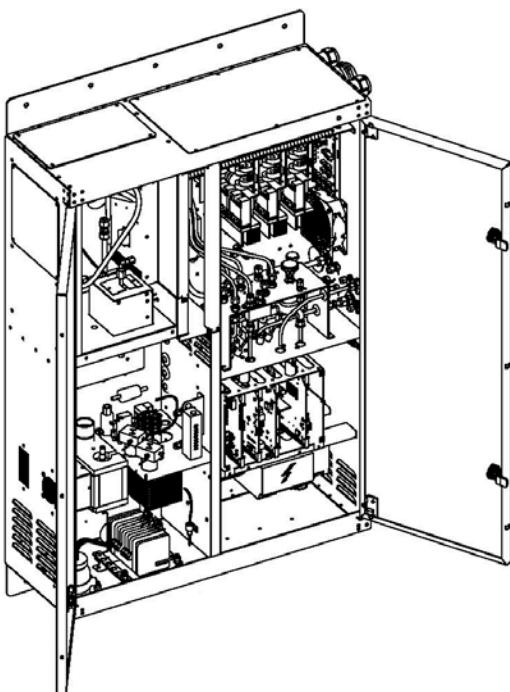


3310Xi - Elemental Mercury Calibrator

- Coal fired power plants
- Cement kilns
- Steel mills
- Waste incinerators
- Abatement research sites



3321 - Wall Mounted Sample Conditioner



- Wall mounted to simplify installation and serviceability
- NIST traceable Hg generators
- Modular 3321 accepts speciation, oxidizer, or THC/HCl package
- Solutions for Hg control research for bench-scale, pilot plant and full-scale

## ***Tekran 3300Xi Dual-Probe HgCEM Configuration***

### ***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:

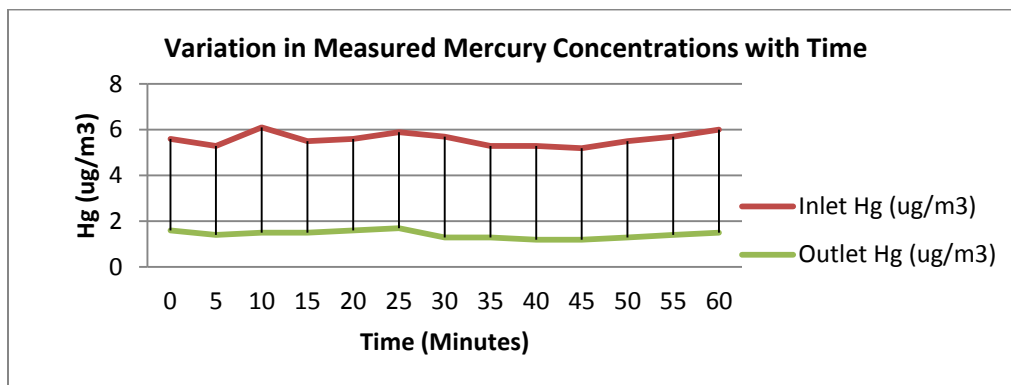
- Activated carbon injection (ACI) products,
- Catalysts used to oxidize and enhance mercury capture,
- Polymer composites designed for absorption of mercury,
- Chemical additives to enhance mercury removal,
- Emission source baseline profiles necessary for compliance planning

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

#### **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 Configuration can help you sort this out!***