Tekran® Series 2600

Ultra-Trace Mercury Analysis System

- Unsurpassed Analytical Performance
- Free Lifetime Technical & Analytical Support
- Low Maintenance & Easily Serviceable
- Fast, Flexible & Reliable Software

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Ultra Sensitive Measurement
MDL: 0.02 parts per trillion (ppt)

A Superior Design Offers
Unsurpassed Analytical Performance & Flexibility

The Tekran® Series 2600 is the most stable, sensitive ultra-trace mercury analyzer available today.

The Series 2600 was designed to be easy to set up, easy to use, and easy to maintain. The atomic fluorescence based Series 2600 Mercury Analysis System has a number of unique features that increase its performance and flexibility.

Easy To Set Up

The Series 2600 assembles for operation in only minutes. A Quick Start Guide will have you up and running in no time. Free factory training and unlimited telephone/email support is available, in the event you require assistance.

Unique Phase Separator Design

The gas liquid separator features a unique laminar liquid flow over a removable frosted center rod. This provides high efficiency with virtually no aerosol production or foaming, even with very difficult matrices.

Simple To Maintain

Reliability is of prime importance whether you're doing analysis at a remote, inhospitable location or in an ultra clean laboratory. Downtime and service calls are simply not an option, so Tekran products are designed to be easily serviceable by the analyst.

Supports Multiple Methods

Tekran® Series 2600 allows easy migration from a starter system to a fully automated, high throughput configuration. It has the capability to be flexible and quickly modified to run EPA method 1631, 245.7, IO-5 for air and ASTM-D6350 for natural gas.

Superior Atomic Fluorescence Detector

The AF detector in the Series 2600 provides extraordinary sensitivity, stability and selectivity by having a number of unique features. An optical feedback arrangement and temperature control ensures constant lamp intensity over the course of the run and from day to day. The AF detector has an argon optical path purge and a high sensitivity photo-multiplier, rather than a cheaper photodiode UV sensor.

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Fast & Accurate Software Takes Performance to a New Level

Tekran® has developed the new Tekran® Mercury Data System (Tek-MDS) software to be faster, more reliable and offer a wide range of expanded capabilities. Tek-MDS-2 has pre-loaded standard methods and the capability to easily construct custom methods.

Advanced ETF Editor

The new ETF editor makes it easy for advanced users to alter the timing of the series of events used to analyze each sample. The new timeline display shows the start time, duration, and end time of all analytical events within a sample sequence.

Automated Calibration Control

Tek-MDS-2 handles all standard calibration methods, including calibration factors (unweighted regression) automatically.

Tek-MDS-2 Software Features:

- Easy To Use Templates
- Real Time Peak Display / Improved Charting
- Lamp Hardware Wizard
- Auto-Flush Clean Criteria
- Add/Delete/Insert Samples at Any Time
- Real-Time Analysis of Standards & QC Samples
- Time Saving Autosampler Location Auto-Fill
- Multi-Level Undo & Redo
- Worksheet Save History Backup
- Data Storage on Network Drives
- One-Click Worksheet data copy into Excel

Want to know more about the best mercury analysis device in its field?

The included CD has complete product information for the following:

- *Series 2600 Individual Components*
- *Standard Method Configurations*
- *Tek-MDS-2 Software*
- *Application notes, photos and more*

Free Lifetime Technical & Application Support

Tekran® system owners enjoy free lifetime technical and application support by a team of analytical chemists with a combined 45+ years of specializing exclusively in mercury analysis.

The Most Sensitive Mercury System Available Today

Typical Applications:

Analysis by Dual-Stage Gold Preconcentration

• Automated US EPA Method 1631
  - Aqueous samples
  - Biota and sediment samples
  - Petroleum & industry samples
  - Flue gas sorbent traps

Analysis of Air and Natural Gas Samples

• US EPA Method IO-5
  - Ambient and indoor air samples
  - Fence line monitoring samples
• ASTM Method D-6350
  - Natural gas & landfill gas samples

Analysis via Direct Atomic Fluorescence

• Automated US EPA Method 245.7
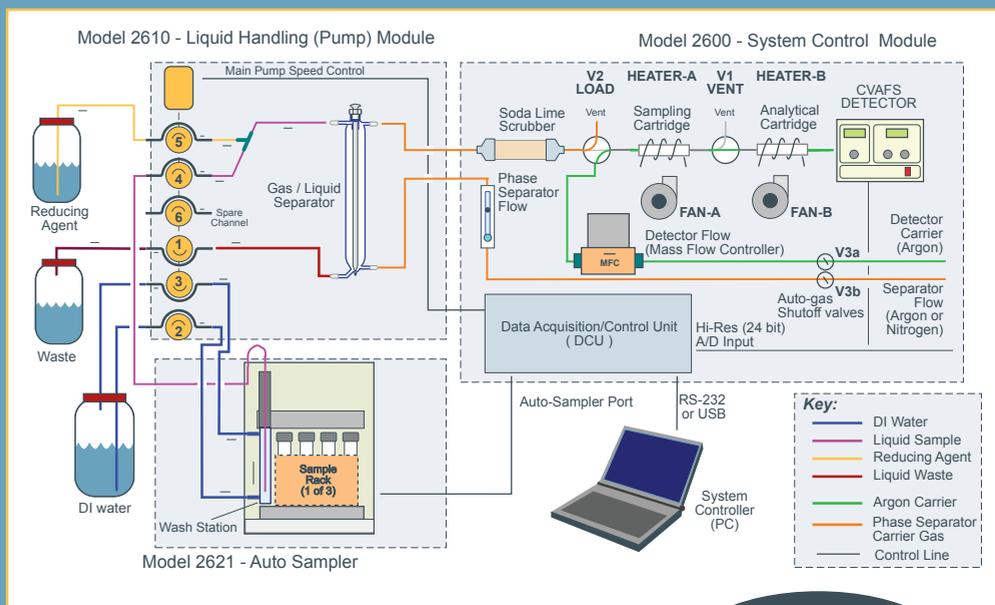
Schematic of Series 2600 System configured for US EPA Method 1631

See CD inside for complete details & specifications

Key Specifications:

Detector Type	Atomic Fluorescence
Sensitivity	< 0.1 picogram
Method Detection Limit	< 0.02 ng/Liter*
2600 + 2610 Footprint	9" x 17" (23 x 43 cm)
2621 Autosampler Footprint	11" X 19" (28 X 48 cm)
Power Requirements	100/120V or 220/240V 50/60Hz
	375 VA max. (full system)

*Dual stage preconcentration. Ultra-clean, controlled reagent blanks required. Sample aliquot: 30 ml

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