

## **Tekran JITRbug Mercury Test Gas Generator**

Rev. 102720



### **Handheld Mercury Monitor Integrity Test Rig Independent Instrument Performance Assessment**

Due to their small size, hand-held mercury monitors, used for industrial hygiene, do not include a calibration or alternative accuracy assessment capabilities. Typically, workers and industrial hygiene experts must assume a hand-held mercury monitor is providing accurate and precise results. Calibration and performance assessment may be periodically completed at the factory or using complicated and error prone laboratory procedures. The Tekran JITRbug overcomes these issues by delivering a precisely controlled mercury test gas of known concentration. Using the JITRbug, a simple and quick 5-minute test of a hand-held mercury monitor will confirm instrument performance, so field measurements can be completed with confidence to protect workers. The mercury source flow and dilution air flow are precisely controlled by dual MFC's, enabling the system to quickly switch between output Hg concentrations of 30  $\mu\text{g}/\text{m}^3$ , 50  $\mu\text{g}/\text{m}^3$ , and 100  $\mu\text{g}/\text{m}^3$ .



### Key Features:

- Turn-key system with quick setup time and portability
- Simple operation with touch-screen controller – advanced features password protected
- Rapid switching between output concentrations
- Dual front panel testing ports
- Easily adjustable to user-specified STP reporting conditions

### Specifications:

Output Concentration:	30-50-100 ug/m <sup>3</sup> standard, others available
Maximum Flow:	2 L/min
Warm Up -Source:	< 2 hours, 30 min typical
Warm Up – Air Dryer	3 hours

### Dimensions:

Width:	22.6"
Height:	20.2"
Depth:	37.6"