

[Applied Analytics, Inc.](http://aai.solutions/) is a global supplier of online analysis equipment serving the oil, natural gas, chemical, and pharmaceutical industries. For over 20 years, AAI has provided efficient and economical solutions to the most challenging industrial applications using UV-Vis and NIR spectroscopy. AAI's flagship [OMA-300 process analyzer](http://aai.solutions/oma-process-analyzer) and [TLG-837 tail gas analyzer](http://aai.solutions/tlg-837-tail-gas-air-demand-analyzer) help comprise the comprehensive product line that suits many analytical requirements.

Products List

TLG-837 TAIL GAS / AIR DEMAND ANALYZER [\[link to http://aai.solutions/tlg-837-tail-gas-air-demand-analyzer\]](http://aai.solutions/tlg-837-tail-gas-air-demand-analyzer)



The [TLG-837 tail gas analyzer](http://aai.solutions/tlg-837-tail-gas-air-demand-analyzer) continuously measures the chemical concentrations of H₂S, SO₂, COS, and CS₂ in the Claus process tail gas stream. Using the patented in situ DEMISTER sampling probe and a full-spectrum UV-Vis spectrophotometer, this system provides extremely fast, accurate response for tight process control.

Features:

- Continuously measures concentrations of H₂S and SO₂ (H₂S/SO₂ ratio) [\[link to http://aai.solutions/tlg-837-tail-gas-air-demand-analyzer\]](http://aai.solutions/tlg-837-tail-gas-air-demand-analyzer) and outputs Air Demand signal (user-defined formula)
- Patented DEMISTER sampling probe with internal sulfur vapor removal
- Totally solid state with no moving parts, sample lines, or heat tracing - modern design for low maintenance
- Ultra-safe fiber optic design - no toxic/explosive sample gas in analyzer enclosure
- Superior Off-Ratio range (100:1 < H₂S/SO₂ ratio < 1:20)

Measurements:

- H₂S
- SO₂
- COS
- CS₂
- air demand