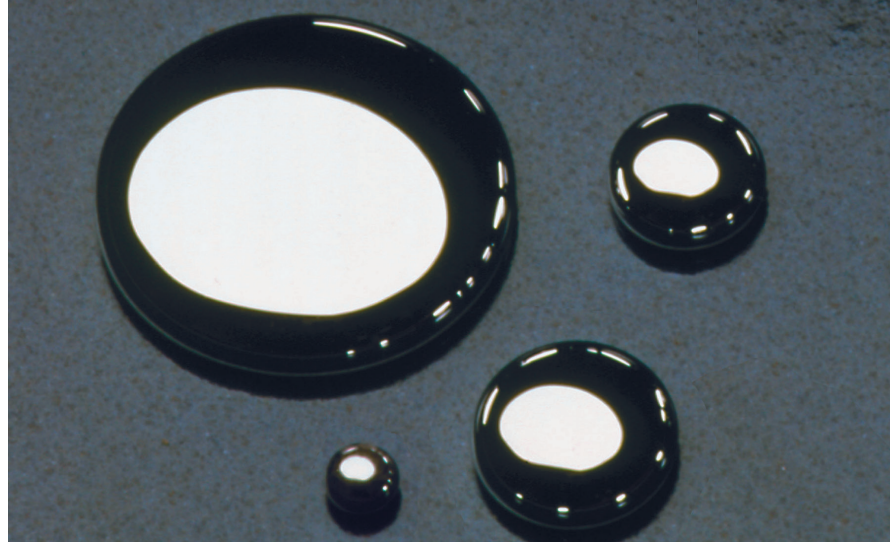


Thermo Scientific Model 80i Mercury Analyzer

A direct measurement cold vapor atomic fluorescence analyzer

The Thermo Scientific™ Model 80i Mercury (Hg) Analyzer is one of the four major components of the Mercury Freedom System.

- Proprietary cold vapor atomic fluorescence method
- Reports elemental, ionic, and total mercury
- True, real-time monitoring means no batch processing
- Direct measurement eliminates carrier gas
- High sensitivity allows greater dilution ratios



The Thermo Scientific Model 80i analyzer uses an advanced cold vapor atomic fluorescence technology. This technology enables the Model 80i analyzer to provide continuous sample measurement, with no additional gases or accumulations required and virtually no interference from SO₂. High sensitivity allows high sample dilution reducing moisture, heat, and interfering pollutants.

Designed to meet the provisions of U.S. EPA 40CFR Parts 60 and 75, the Mercury Freedom System provides a complete mercury monitoring solution that reports elemental, ionic, and total mercury in exhaust stacks from both coal-fired boilers and waste incinerators.

The Model 80i analyzer also offers the benefits of the iSeries gas analyzer platform.

The iSeries platform features flexible communications, increased serviceability,

and an easier to use interface. Ethernet connectivity provides efficient remote access, allowing the user to download measurement information directly from the instrument without having to be on site. Captive hardware and slide-apart modules allows easy access for service and periodic maintenance.

Easily programmable short-cut keys allow you to jump directly to frequently accessed functions, menus or screens. The larger interface screen can display up to five lines of measurement information while the primary reporting screen remains visible.

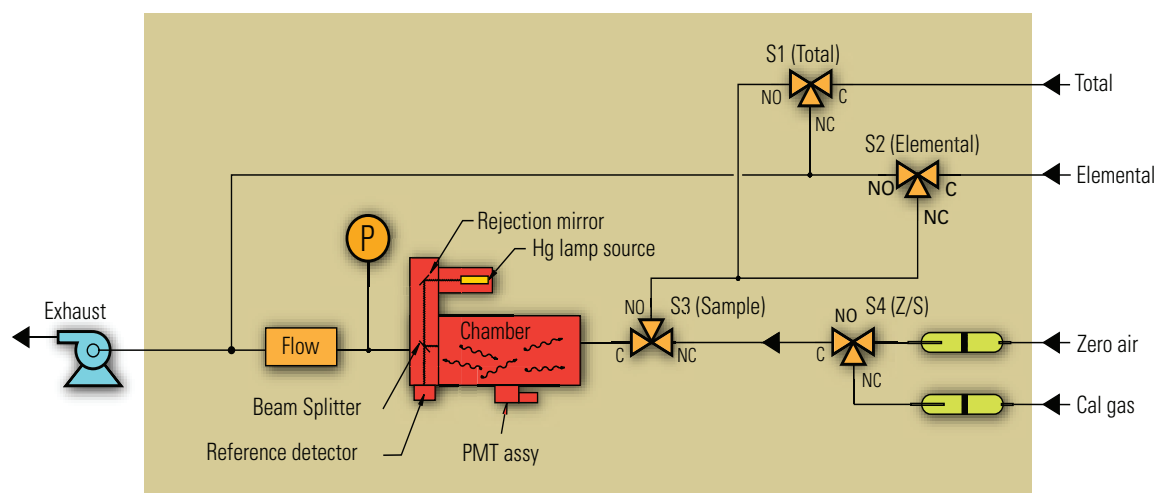


Thermo Scientific Model 80i Mercury Analyzer

Thermo Scientific Model 80i Mercury Analyzer

Elemental Hg Measurement Range	0-600 ug/m3 (effective range before dilution)
Zero Noise	1 ng/m3 (60 second average)
Lower Detectable Limit	1 ng/m3 (60 second average)
Zero Drift (24 hour)	2 ng/m3
Response Time	90 seconds (60 second average time)
Linearity	+/- 1% full scale
Sample Flow Rate	0.5 slpm per channel
Operating Temperature	5° - 40° C
Power Requirements	100 VAC, 115 VAC, 220-240 VAC +/-10% @ 275W
Size and Weight	16.75"(W) x 8.62"(H) x 23"(D), 49 lbs. 425 mm (W) x 219 mm (H) x 584 mm (D), 22.2 kg
Outputs	Selectable Voltage, RS232/RS485, TCP/IP, 10 Status Relays, and Power Fail Indication. 0-20 or 4-20 mA Isolated Current Output
Inputs	16 Digital Inputs, 8 0-10vdc Analog Inputs

How Diagram: Model 80i Hg Analyzer



To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your air quality equipment needs repair or replacement. We offer comprehensive, flexible support solutions for all phases of the product life cycle. Through predictable, fixed-cost pricing, our services help protect the return on investment and total cost of ownership of your Thermo Scientific products.

For more information, visit our website at www.thermoscientific.com

© 2012 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

This product is manufactured in a plant whose quality management system is ISO 9001 certified.

USA
27 Forge Parkway
Franklin, MA 02038
Ph: (866) 282-0430
Fax: (508) 520-1460
customerservice.aqi@thermofisher.com

India
C/327, TTC Industrial Area
MIDC Pawane
New Mumbai 400 705, India
Ph: +91 22 4157 8800
india@thermofisher.com

China
+Units 702-715, 7th Floor
Tower West, Yonghe
Beijing, China 100007
+86 10 84193588
info.eid.china@thermofisher.com

Europe
Takkebijsters 1
Breda Netherlands 4801EB
+31 765795641
info.aq.breda@thermofisher.com

Thermo
SCIENTIFIC

A Thermo Fisher Scientific Brand