

Hydrogen Sulfide Functional Test Module

The Jerome Hydrogen Sulfide Functional Test Module (FTM) provides a fast and easy method of verifying that Jerome 631-X Hydrogen Sulfide analyzers are within specifications.

The Functional Test Module is beneficial:

- In applications where frequent verification of functionality is required, such as ISO 9001 documentation;
- To verify proper instrument operation when unexpected readings are obtained in normal sampling;
- As part of a weekly maintenance routine;
- To determine if analyzer calibration is needed.

Simple Operation

The Functional Test Module (FTM) includes a permeation tube containing hydrogen sulfide. When activated, the FTM releases this H₂S from the permeation tube at a specific, known concentration. The H₂S flows over the gold film sensor of the Jerome analyzer, which then measures the amount of exposure to the gas. The flow rate and temperature of this release are factory set to provide a concentration of approximately 250 ppb (.250 ppm) + -20%. The user then compares the reading on the Jerome analyzer with the known concentration of the release from the module. If the H₂S level shown on the analyzer's display falls within the expected range (approx. 250ppb), the imminent is functioning properly. If the level is not in the expected range, it should be returned to the factory for NIST-traceable calibration.

The following components are included with the H₂S Functional Test Module:

- 1/8 x 3/16 Reducer (P/N 1300-0031)
- Tubing Adapter (P/N 1400-3010)
- Allen Wrench (P/N 2300-0003)
- 1 ft. of 1/8" I.D. Tygon Tubing (P/N 2500-3001)
- 1 ft. of 3/16" I.D. Tygon Tubing (P/N 2500-3010)
- Filter Cap (P/N 2600-3010)
- 1 Lb. Desiccant (P/N 2600-3055)
- (2) Guide Pins (P/N 2800-2044)
- 115 VAC Line Cord (P/N 60004003)
- Permeation Tube Assembly (P/N Z2600-3939)
- FTM Operation Manual (P/N 700-0095)

AZI Part Number Z2600-0918



Warranty

The Functional Test Module carries a limited one-year warranty to be free from defects in materials or workmanship, except for the permeation tube, which is warranted for 90 days. Refer to the operation manual for complete installation and warranty information



ARIZONA INSTRUMENT LLC

3375 N. Delaware Street, Chandler, AZ 85225 • (602) 470-1414 • (800) 528-7411 • www.azic.com

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