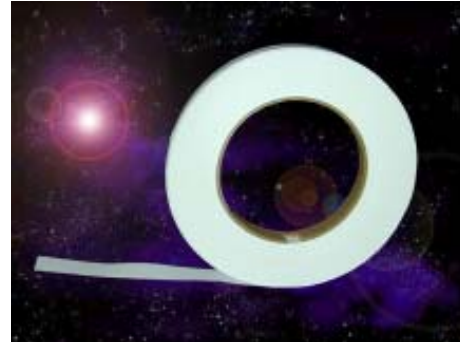


Lead Acetate Sensing Tape & Cassette

FOR MOST H₂S & TOTAL SULFUR TAPE ANALYZERS

APPLICATIONS:

For H₂S & Total Sulfur Analyzers
Utilizing H₂S Sensing Tape 100',
200', & 300' & Cassette



Sensing Tape



Tape Cassette

FEATURES

- Consistent Quality
- Full Warranty
- Foil Packaging
- 8-Year Shelf Life
- Cost-Effective
- Custom Lengths

DESCRIPTION

The petrochemical, gas processing, and gas pipeline industry has always needed a quality and cost-effective sensing tape for H₂S and total sulfur analyzers. With over twenty-five years of experience in developing and manufacturing sulfur analyzers and associated parts and supplies, Analytical Systems International (ASI) has met this need with a fully warranted H₂S sensing tape.

PRINCIPLE OF OPERATION

The sensing tape is prepared by impregnating lead acetate and other essential components (both inert and active) into the paper tape. This formula, the treating process, and the ambient conditions are all critical to the success of the manufacturing process. After completion of this process, the sensing tape is installed in an appropriate analyzer. Sample gas containing trace quantities of H₂S passes through a flow meter and a humidifier and then across the treated paper tape. When the H₂S comes in contact with the lead acetate treated tape, lead sulfide is formed $H_2S + Pb + H_2O = PbS$. This reaction gradually darkens the tape according to H₂S concentration. The resulting darkening is detected by photocells and is proportional to the H₂S concentration. The electronics system can then provide a quantitative output according to the H₂S level. For further information, refer to the back of this brochure, chemistry textbooks, and to various ASTM publications.



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SPECIFICATIONS

Dimensions: 1/2 inch x 100 feet
1/2 inch x 200 feet
1/2 inch x 300 feet
Sensing Tape: Lead Acetate Impregnated
Shelf Life: 8 years Minimum in Envelope
and a cool, dry environment.
Serial Number: on each tape
Weight: *Tape* 2.5 oz., *Cassette* 5 oz.
Packaging: MIL SPED Foil Envelope

IMPORTANT CARE INSTRUCTIONS

Do not open envelope until ready to use tape
Limit handling of tape
Do not expose tape to liquids
Do not breath dust from tape
Dispose of tape properly after use
Wash hands immediately after handling

OTHER PRODUCTS BY ANALYTICAL SYSTEMS INTERNATIONAL:

ANALYZERS:

H₂S • CO₂ • SULFUR
HYDROCARBON (VOC) IN WATER & OIL IN WATER
H₂S in NON-VOLATILE LIQUIDS

MONITORS:

Personal Protection
H₂S • CO₂ • SO₂ • CL₂ • O₂
COMBUSTIBLE GAS

**Reconditioned Sulfur and H₂S Analyzers
Service • Parts • Supplies
Houston Atlas - Tracor**

Order Information

<u>Tape Number</u>	<u>Quantity</u>
H ₂ S Cassette Tape P/N 001513 (75 ft. length)	_____
H ₂ S Sensing Tape P/N 000098 (100 ft. length)	_____
H ₂ S Sensing Tape P/N 000098A (200 ft. length)	_____
H ₂ S Sensing Tape P/N 000098B (300 ft. length)	_____

Analyzer Manufacturer: _____
Model Number: _____
Number of Analyzers in Service: _____