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 H₂S+Pb+H₂O=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.

APPLICATIONS:
For H₂S & Total Sulfur Analyzers Utilizing H₂S Sensing Tape 100’, 200’, & 300’ & Cassette

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

(281) 516-3950 • FAX (281) 351-8925
www.asikeco.com • Sales@asikeco.com
**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 SPE D 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:**

\( \text{H}_2\text{S} \cdot \text{CO}_2 \cdot \text{SULFUR} \)

HYDROCARBON (VOC) IN WATER & OIL IN WATER

\( \text{H}_2\text{S} \) in NON-VOLATILE LIQUIDS

**MONITORS:**

Personal Protection

\( \text{H}_2\text{S} \cdot \text{CO}_2 \cdot \text{SO}_2 \cdot \text{CL}_2 \cdot \text{O}_2 \)

COMBUSTIBLE GAS

Reconditioned Sulfur and \( \text{H}_2\text{S} \) Analyzers

Service • Parts • Supplies

Houston Atlas - Tracor

**Order Information**

<table>
<thead>
<tr>
<th>Tape Number</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>( \text{H}_2\text{S} ) Cassette Tape P/N 001513 (75 ft. length)</td>
<td></td>
</tr>
<tr>
<td>( \text{H}_2\text{S} ) Sensing Tape P/N 000098 (100 ft. length)</td>
<td></td>
</tr>
<tr>
<td>( \text{H}_2\text{S} ) Sensing Tape P/N 000098A (200 ft. length)</td>
<td></td>
</tr>
<tr>
<td>( \text{H}_2\text{S} ) Sensing Tape P/N 000098B (300 ft. length)</td>
<td></td>
</tr>
</tbody>
</table>

Analyzer Manufacturer: ____________________________

Model Number: ____________________________

Number of Analyzers in Service: ____________________________

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