Need to *Spot Check* Trace $H_2S$ in Gas Systems?

There are times when operators must go to the field and spot-check one or more sites to verify that their Trace Hydrogen Sulfide readings are accurate. For these jobs, you not only need to have a reliable Portable Trace Hydrogen Sulfide ($H_2S$) Analyzer, but a unit that can perform in some of the harshest environments.

The **MODEL 3000RS** is a top choice in the Natural Gas Industry and popular among operators because of its patented **ELIMINATOR CELL BLOCK™**. The **BLOCK** contains all sample handling components (flow meter, needle valve and a 4-way Sample/Span/Off Selection Valve), integrated into a solid metal block with internal drilled passages and an incredibly gas-efficient sensor pocket. This design creates a very short and efficient gas path from the Sample Tap to the sensor, allowing the Analyzer to deliver very fast response times for its reliable, trace measurements. The **BLOCK** also allows the Analyzer to achieve an agency-approved, rugged, compact design that can withstand the physical demands of some of the toughest conditions while still remaining lightweight and easy-to-use in the hands of any operator.

As an added benefit, operators have access to the **COMMAND CENTER™**, which is a complete suite of powerful software-based tools for data collection and management. There is no other Portable $H_2S$ Analyzer that can achieve this level of performance while still providing users with such exceptional ease-of-use.

Rugged and Completely **PORTABLE**
## TECHNICAL SPECIFICATIONS & FEATURES

### PHYSICAL

<table>
<thead>
<tr>
<th>Dimension</th>
<th>4.5&quot;W x 9.5&quot;H x 4.5&quot;D (compact size)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(11.4 cm x 24.1 cm x 11.4 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>5.0 lbs (2.3 kg)</td>
</tr>
<tr>
<td>Digital Display</td>
<td>4-digit LCD (reads full scale from 0.00 ppm to 200 ppm or 0.00 ppm to 2000 ppm)</td>
</tr>
<tr>
<td>Gas Connections</td>
<td>¼&quot; 316 S.S. compression fittings and ¼” nipple for exhaust</td>
</tr>
<tr>
<td>Wetted parts</td>
<td>316 S.S. fittings, electro-less nickel-plated cell block, gold-plated contacts, acrylic flow meter &amp; Vitron O-rings</td>
</tr>
</tbody>
</table>

2-year warranty for Parts & Labor for any defects in materials or workmanship. 1-year warranty for H₂S sensors

### TECHNOLOGY

- **Method of Measurement:** Electrochemical Hydrogen Sulfide Sensor
- **ELIMINATOR CELL BLOCK™** with a Complete Integral Sample System
- **COMMAND CENTER™,** which includes:
  - Datalogger for H₂S Readings, includes graph of complete readings over a 15-day period or Excel file containing raw numerical data for custom analysis
  - Error Status Display alerts users to any error(s) detected by the Analyzer
  - Brown-out history stores the last 5 brown-out incidents and recoveries
  - Power-up history stores the last 10 times the unit was powered-up

### PERFORMANCE

- **Minimum detection limit:** 50 ppb of Hydrogen Sulfide
- **90% full scale response times for these specified ranges:**
  - <120 sec for 0 – 100 ppm @1.5 SCFH* (0.75 Lpm)
  - <120 sec for 0 – 2000 ppm @1.5 SCFH* (0.75 Lpm)
- **Repeatability:** ±1% of range or ±0.2 ppm of H₂S, whichever is greater
- **Response to Methyl Mercaptan:** 40% of actual concentration
- **Response to Sulfur Dioxide:** 18% of actual concentration
- **Diurnal Temperature Specification:** <±3% of scale over temperature range
- **Data Collection Capacity:** provides 15 days of data recording at 1 datapoint per minute
- **Inlet gas pressure:** 0.5 – 150 psig (0.03 – 10.3 bar)
- **RFI-protected**

### OPTIONS

- **Accessories:** Protective carrying case for the Analyzer plus Sample Tubing; Flexible, microbore Sample Tubing; Auxiliary Charging Adapter; USB Cable with COMMAND CENTER™

### POWER

- **Requirements:** Rechargeable Nickel Cadmium Batteries (for 350 hours of battery life)