Looking for a Better Way to Make Oxygen Measurements Over Traditional Paramagnetic & Electrochemical Methods?

1. **NO LAG TIME**
   - Provides near real time (< 5 sec) O₂ and CO/CH₄ measurements

2. **EASY INSTALLATION**
   - Single flange design allows for installation flexibility & lower costs

3. **PIN-POINT ACCURACY**
   - In-situ gas measurement removes the need for sample handling & conditioning

4. **HIGHER RELIABILITY**
   - Dynamic processes and upsets do not interfere with measurements

5. **SIMPLE MAINTENANCE**
   - Solid state technology means virtually no drift, no routine calibration, no routine maintenance

6. **INTUITIVE CONTROLS**
   - On-board diagnostics with 50 days of spectral & historical data

**PERFORMANCE**

<table>
<thead>
<tr>
<th>Measured component</th>
<th>Repeatability</th>
<th>Linearity</th>
</tr>
</thead>
<tbody>
<tr>
<td>O₂</td>
<td>±1% reading or ±0.01% O₂, whichever is greater</td>
<td>±1% F.S.</td>
</tr>
<tr>
<td>CO (ppm)</td>
<td>±2% reading or ±1 ppm CO, whichever is greater</td>
<td>±1% F.S.</td>
</tr>
<tr>
<td>CO and CH₄</td>
<td>±2% reading or ±1 ppm CO, whichever is greater</td>
<td>±2% F.S.</td>
</tr>
<tr>
<td>CH₄</td>
<td>±4% reading or ±0.02 CH₄, whichever is greater</td>
<td>±4% F.S.</td>
</tr>
</tbody>
</table>

**Measurement conditions:** 25°C, 0.1 MPa abs., optical path length 1 m

**WHY ARE ACCURATE OXYGEN MEASUREMENTS IMPORTANT?**

A Limiting Oxygen Concentration (LOC) measurement is when oxygen (O₂) is being monitored continuously to prevent a gaseous mixture from reaching the Lower Explosive Limit (LEL). LEL is the minimum amount of O₂ needed in a mixture of fuel and air that an explosion can occur.

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