§ 1065.280 Paramagnetic and magnetopneumatic O₂ detection analyzers.

(a) Application. You may use a paramagnetic detection (PMD) or magnetopneumatic detection (MPD) analyzer to measure O₂ concentration in raw or diluted exhaust for batch or continuous sampling. You may use O₂ measurements with intake air or fuel flow measurements to calculate exhaust flow rate according to §1065.650.

(b) Component requirements. We recommend that you use a PMD or MPD analyzer that meets the specifications in Table 1 of §1065.205. Note that your PMD-based system must meet the linearity verification in §1065.307.


O₂ Measurements

§ 1065.284 Zirconia (ZrO₂) analyzer.

(a) Application. You may use a zirconia (ZrO₂) analyzer to measure air-to-fuel ratio in raw exhaust for continuous sampling. You may use O₂ measurements with intake air or fuel flow measurements to calculate exhaust flow rate according to §1065.650.

(b) Component requirements. We recommend that you use a ZrO₂ analyzer that meets the specifications in Table 1 of §1065.205. Note that your ZrO₂-based system must meet the linearity verification in §1065.307.


PM Measurements
§ 1065.303 Summary of required calibration and verifications.

The following table summarizes the required and recommended calibrations and verifications described in this subpart and indicates when these have to be performed:

<table>
<thead>
<tr>
<th>Type of calibration or verification</th>
<th>Minimum frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>§ 1065.305: Accuracy, repeatability and noise</td>
<td>Accuracy: Not required, but recommended for initial installation. Repeatability: Not required, but recommended for initial installation. Noise: Not required, but recommended for initial installation.</td>
</tr>
</tbody>
</table>