Eliminates the Licensing Requirements without Sacrificing the Performance
Troxler’s Model 3242 Microlab Asphalt Content System provides a quick, accurate and safe method of measuring the asphalt content of your bituminous mixes in your lab without the expense, red tape and delays involved with a Radioactive Materials License. This saves thousands in licensing fees and many hours of license paperwork.

Measures Asphalt Content without Toxic Chemicals
The 3242 provides the asphalt content measurement without the hazard and expense of the toxic chemicals employed in the solvent extraction method. This method is also beneficial when analysing material that may be lost in a high temperature burn oven.

Simplifies Reporting of Results
The 3242 downloads test data directly to a printer or computer, simplifying the reporting of results.

Reduces Calibration Time for Field Sites
Calibration transfer from a centrally located gauge greatly reduces calibration time for field sites.

Compatible with the Optional Universal Sample System
Compatibility with the optional Universal Sample System, provides the added convenience of measuring either the commonly used 100 mm (4 inch) or 150 mm (6 inch) laboratory compacted samples.
Troxler Model 3242
Microlab Asphalt Content Gauge

Additional Features
- **Automatic Shutdown** after five hours of non-use.
- **Statistical Stability Test** validates normal gauge operation.
- **Drift Test** determines long-term drift of the gauge readings.
- **Samples Routine** prompts and helps operators in preparing 7000g samples.
- **Automatic Sample Temperature Compensation** automatically adjusts gauge to varying sample temperatures.
- **Automatic Data Storage Option** automatically stores gauge readings by identification number after count is completed.
- **Automatic Data Printing Option** automatically configures gauge to print readings after count is completed.
- Supplied with four stainless steel pans and hardshell case for transport.

### Precision

<table>
<thead>
<tr>
<th>Sample</th>
<th>1 min.</th>
<th>4 min.</th>
<th>8 min.</th>
<th>16 min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7000 grams</td>
<td>±0.084%</td>
<td>±0.042%</td>
<td>±0.029%</td>
<td>±0.021%</td>
</tr>
<tr>
<td>4&quot; compacted</td>
<td>±0.36%</td>
<td>±0.18%</td>
<td>±0.13%</td>
<td>±0.09%</td>
</tr>
<tr>
<td>6&quot; compacted</td>
<td>±0.28%</td>
<td>±0.14%</td>
<td>±0.10%</td>
<td>±0.07%</td>
</tr>
</tbody>
</table>

Operator can select desired precision.
Range of control mix is 0 to 14% asphalt.
Meets or exceeds the requirements of ASTM-D-4125.

### Electrical

- **Power Source**: 110/220 VAC, 50/60 Hz, 12V vehicle battery
- **Power Consumption**: 1 Watt (nominal)

### Data Storage and Transfer

- **Baud Rate Range**: 300 - 2400 baud
- **Test Data Storage**: Up to 99 tests
- **Calibration Storage**: Up to 64 calibrations
- **Interface**: RS-232C for transfer to printer or computer

### Mechanical and Environmental

<table>
<thead>
<tr>
<th>Gauge</th>
<th>Control Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>Length</td>
</tr>
<tr>
<td>Width</td>
<td>Width</td>
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<tr>
<td>Height</td>
<td>Height</td>
</tr>
<tr>
<td>Weight</td>
<td>Weight</td>
</tr>
<tr>
<td>Operational Temperature Range</td>
<td>0 to 140°F (-18 to 60°C)</td>
</tr>
<tr>
<td>Sample Temperature Range</td>
<td>0 to 350°F (-18 to 177°C)</td>
</tr>
</tbody>
</table>

### Radiological

- **Neutron Source**: 100 μCi ±10% Cf-252
- **Source Form**: Encapsulation in stainless steel, Special form
- **Shielding**: Polyethylene and Cadmium
- **Shipping Case**: DOT 7A, Type A

Made in USA