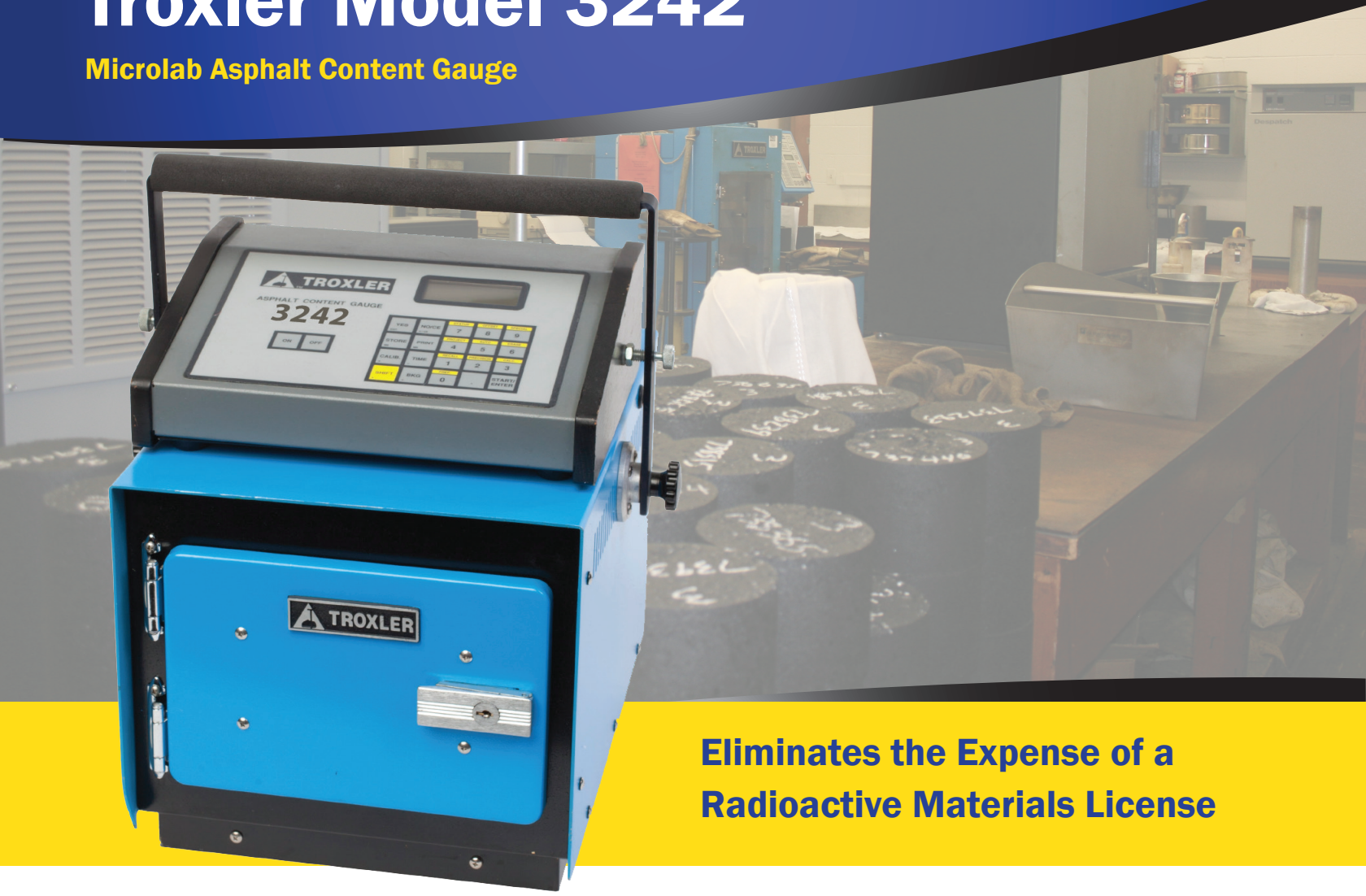
Troxler Model 3242

Microlab Asphalt Content Gauge



Eliminates the Expense of a Radioactive Materials License

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.

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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					
Precision at 6% asphalt					
	Sample	**1 min.**	**4 min.**	**8 min.**	**16 min.**
	7000 grams	±0.084%	±0.042%	±0.029%	±0.021%
	4” compacted	**±0.36%**	**±0.18%**	**±0.13%**	**±0.09%**
	6” compacted	**±0.28%**	**±0.14%**	**±0.10%**	**±0.07%**
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			
Gauge		**Control Unit**	
Length	14.25” (36.2 cm)	Length	8.62” (21.9 cm)
Width	11.00” (27.9 cm)	Width	11.00” (27.9 cm)
Height	10.50” (26.7 cm)	Height	3.60” (9.2 cm)
Weight	30.0 lbs. (13.62 kg)	Weight	2.75 lbs. (1.25 kg)
Operational Temperature Range		0 to 140°F (-18 to 60°C)	
Sample Temperature Range		0 to 350°F (-18 to 177°C)	

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

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3008 E. Cornwallis Road
Research Triangle Park, NC 27709
1-877-TROXLER (1-877-876-9537)
1-919-549-8661 (International)
www.troxlerlabs.com