

Enhanced Vapor Recovery Systems

Hydrocarbon Sensor Verification Program for Gasoline



Air Liquide, the world leader in the development and supply of gases engineered to help protect our environment, provides the calibration gas mixtures, pure gases and gas handling equipment needed to accurately and safely test hydrocarbon sensors used in enhanced gasoline vapor recovery systems.

Benefits and Features

- Meets California Air Resources Board specifications for vapor recovery system testing to avoid noncompliance penalties.
- Guaranteed accuracy and stability of SCOTT™ brand mixtures provide an extra level of confidence.
- Online Certificates of Accuracy and MSDS information help improve record keeping.
- Choose from a range of available cylinder/volume sizes for cost-effective gas quantities to meet every application need.
- Expert technical support from experienced specialists.
- Improve quality control and worker safety.
- High-performance gas handling equipment that meets all verification procedure specifications is in stock and available for next-day shipping.



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The California Air Resources Board mandates periodic testing of the hydrocarbon sensors used in enhanced gasoline vapor recovery systems. The sensor must be tested at three different concentration ranges with propane being the surrogate hydrocarbon for this testing.

Calibration Standards for Testing

SCOTT Gas Mixture	Cylinder Size	Pressure		Contents Liters	Tests Per Cylinders	Recommended Regulator
		psig	bar			
High Range Gas						
12% Propane in Nitrogen	108	240	17	1840	110	Q1-205A4GN-510
	40LP	240	17	680	35	Q1-205A4GN-510
	22LP	240	17	350	18	Q1-205A4GN-510
	11LP	240	17	190	10	Q1-205A4GN-510
	105L	240	17	25	1	Q1-27B10-C10
Mid-Range Gas						
4% Propane in Nitrogen	108	240	17	1840	110	Q1-205A4GN-510
	40LP	240	17	680	35	Q1-205A4GN-510
	22LP	240	17	350	18	Q1-205A4GN-510
	11LP	240	17	190	10	Q1-205A4GN-510
	105L	1000	69	105	6	Q1-27B10-C10
Zero Gas						
Zero Nitrogen	108	240	17	1840	110	Q1-205A4GN-510
	40LP	240	17	680	35	Q1-205A4GN-510
	22LP	240	17	350	18	Q1-205A4GN-510
	11LP	240	17	190	10	Q1-205A4GN-510
	105L	1000	69	105	6	Q1-27B10-C10



SCOTTY™ Transportable Cylinders

SCOTTY 105 cylinders are a convenient and cost-effective solution for single-sensor testing needs. These nonrefillable cylinders are small and easy to transport. Other size cylinders that contain larger gas volumes can be returned to Air Liquide for refill.



Founded in 1902, Air Liquide is a world leader in industrial and medical specialty gases and related services, providing innovative solutions for the manufacture of everyday products and for the protection of life.

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Optional Equipment

SCOTT™ Model 205 Single-Stage Brass Regulator (without outlet valve)



SCOTT Model 27 Single-Stage Regulator with fixed flowrate of 1 Lpm



SCOTT Model 30 Flowmeter

Tubing and compression fittings for connections also available

Model No. Q2-30A-METRIC4

**Not required for SCOTT 105L cylinder with Model 27 regulator*



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