

## ORB Reid Vapor Pressure Analyzer Model P-700

Credible Solutions for the Oil and Gas Industry



## Reid Vapor Pressure Analyzer Model P-700

To remain competitive, today's refiners must employ all optimization and product control techniques available. The use of online physical property analyzers is one of the key features to reach those objectives because they measure important quality properties in the process directly.

Reid Vapor Pressure is a common measure of the volatility of gasoline. It is defined as the absolute vapor pressure exerted by a liquid at 100°F (37.8°C) as determined by the test method ASTM D323. The test method applies to volatile crude oil and volatile nonviscous petroleum liquids, except liquefied petroleum gases.

- Correlates with ASTM
- Optional validation sample system
- Optional stream switching
- TVP Output Available



## Application

With the introduction of the Clean Air Act and its amendments in 1990 by the Environmental Protection Agency under Title II Emission Standards for Moving Sources, Part A - Motor Vehicle Emission and Fuel Standards, Section 211 Regulation of Fuels - (h) Reid Vapor Pressure Requirements, it has become unlawful to sell, offer for sale, dispense, supply, offer for supply, transport, or introduce into commerce gasoline with a Reid Vapor Pressure in excess of 9.0 pounds per square inch (psi) during the high ozone season (as defined by the Administrator).

Therefore, refineries, pipeline terminals and blending stations require a reliable and accurate analysis system of Reid Vapor Pressure to comply with this regulation. In addition, the very same analysis system will allow the operator to run the blending process in an optimized range, lowering production cost and improving product quality.

## Special Features

---

Elevated sample temperatures of up to 75°C

---

Rapid analysis cycle of 5 to 6 minutes

---

Optional True Vapor Pressure Output Module

---

Microsamples 0.5 ml/cycle

---

Streamswitching

---

Validation (micro system)

---

## Norms and Standards

---

Correlates with:

- ASTM D323
  - ASTM D4953
  - ASTM D5482
  - ASTM D5191
  - ASTM D6377
-

**Make your decision for a strong partner!**  
**Choose BARTEC also for:**

- Fast Loop Systems
- Sample Conditioning Systems
- Validation Systems
- Recovery Systems
- Chillers
- Air Conditioning Systems/HVAC
- Pre Commissioned Analyzer Shelters/Turn-Key Solutions
  
- Flash Point Analyzer Model P-500
- Salt In Crude Analyzer Model P-600
- Reid Vapor Pressure Analyzer Model P-700
- Freeze Point Analyzer Model P-800LT, Low Temperature
- Cloud Point Analyzer Model P-820LT, Low Temperature
- No Flow Point Analyzer Model P-840LT, Low Temperature

**BARTEC ORB**

4724 South Christiana  
Chicago, IL 60632  
USA

Tel.: +(1) 773 927-8600  
Fax.: +(1) 773 927-8620  
sales@bartec-orb.com

**bartec.com**