Process Analytics Program
Replace Obsolete Reid Vapor Pressure (RVP) analyzers

Reid Vapor Pressure Analyzers
series 4503, 4510, 4540 & 4550

Reid Vapor Pressure (RVP) is a vapor pressure measurement of gasoline and its feedstocks that is measured at a constant set of conditions which is used to monitor the quantity of light compounds in the gasoline. This measurement is used to reduce the amount of pollution from light compounds such as butane from escaping into the atmosphere and also to make sure there are enough light compounds to make sure car engines will start in cold temperatures.

The RVP4500 series analyzers consist of several models to cover various range requirements. The ranges allow the analyzers to be used not only on the final gasoline blending but also on the various feedstocks to the gasoline blender. The RVP4550 offers a novel air saturation step that simulates the manual air saturation step of the laboratory method for the final gasoline blending operations. The RVP4540 is the version that is used to measure the vapor pressure in LPG and NGL streams.

RVP Trade in Program**

- 10% trade in allowance **
- 24/36 month factory warranty included
- 1st Year PM service included
- Factory Acceptance Testing included***
- Startup and commissioning with on-site over the shoulder training included
- Priority Phone Support included
- Recommended spare parts list

Trade-in options

- Sample system upgrade
- Network upgrade
- Multi-year service agreements

** 3rd party products are eligible for program.
*** Remote factory acceptance test.

ASTM method D5482 (off-line mode)
- RVP4500 meets the requirements for this ASTM method

ASTM lab method D1267
- RVP4540 meets the requirements for this ASTM method and measures vapor pressure of LPG or LNG streams

RVP 4510 Shale Oil
- RVP4510 measures RVP for demanding shale oil process streams
Is your Network outdated?  
...upgrade to ABB STAR.

STAR is the next generation of data system designed to unify legacy instrumentation with the PGC5000 series.

- Complete optimization and plant monitoring.
- Windows based. Windows 10 for PC, OS 16 for Server
- Distributed, secure, and persisted Access Control List (ACL).
- Supports IPv4 and IPv6 and VistaNET ready devices.
- Allows remote upgrades, configuration and rebooting.
- Optional Star server saves minimum of 30 days of data from PGC5000 (Version 4), PGC2000, RVP, and Multiwave.
- Import / Export trends, reprocessing of chromatograms, archiving and trending of data values from multiple devices.

ABB Ability™ Remote Insights for service
Reduce time to repair with heads-up, hands-free troubleshooting

ABB Ability™ Remote Insights for service is a collaborative app that improves interaction between remote experts and field personnel by enabling live instruction and guidance that can be overlaid on live video using augmented reality technology.

Benefits
- Receive remote expertise  
  - Instant access to expert diagnostic and repair guidance  
  - Resolve issues quickly  
  - Improve quality of repairs  
  - Take advantage of global ABB network of experts
- Save time  
  - Chat instantly with remote experts  
  - Eliminate travel time  
  - Accelerate problem recognition and resolution
- Reduce costs  
  - Live audio and video support  
  - Reduce unplanned downtime  
  - Eliminate travel expenses  
  - Supports typical handheld devices such as smartphones and tablets  
  - Use equipment already on hand
- Increase knowledge base and productivity  
  - Transfer knowledge effectively  
  - Improve training through visual guidance and best-practice access  
  - Foster collaboration  
  - Enable fast learning for apprentices
- Increase safety  
  - Perform hands-free field maintenance  
  - Troubleshoot issues with potentially dangerous equipment from a safe distance  
  - Increase accessibility for workers with permanent or temporary physical limitations

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB.

©ABB 2020