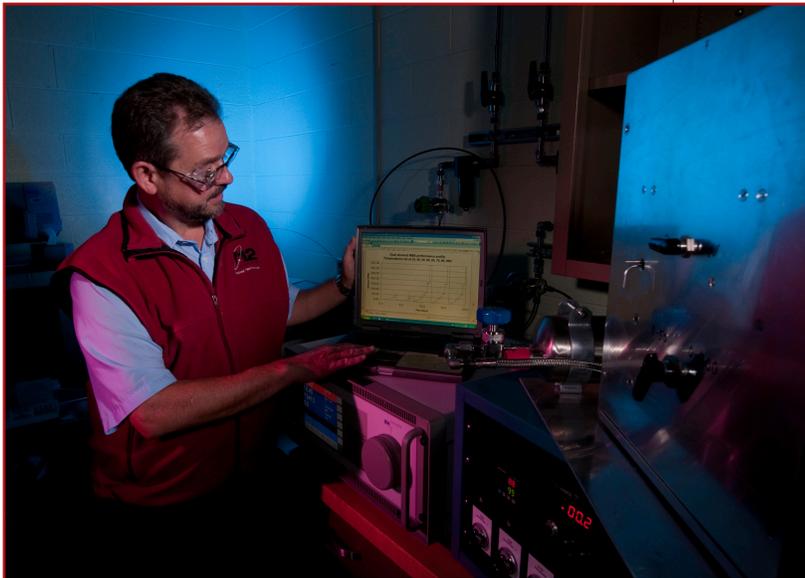


The Tropexx Blending System is a high-resolution blending system that works with gases, vapors and volatile (readily vaporizable) liquids in addition to moisture.

Tropexx can be used to check instrument calibration by substantiating, within parts per million, the accuracy of instrument readings. It also is a high-precision laboratory tool for blending gases and vapors for application in corrosion and material evaluation studies



- Steady – Allows consistent flow rates of output
- Precise – Supplies uniform moisture into dry gas
- Portable – Can be used for field testing
- Cost Effective – Reduces the cost of calibration and redundant instruments

APPLICATIONS

- In-field calibration of moisture monitors
- Process gas-blending system
- Blending of volatile liquids or gases

PATENTS AND AWARDS

The Y-12 National Security Complex has received patent protection (U.S. Patent No. 7,494,114 and 6,182,951) for this technology.

INVENTOR

Russell Hallman

TECHNOLOGY READINESS LEVEL (1-9)

8 – Technology has been proven to work in its final form and under expected conditions.

PARTNERING OPPORTUNITIES

Y-12 is seeking an industry partner to fully commercialize this technology.

If you would like more information about this technology, please contact:

Gina Davis
 Director, Marketing and Commercialization
 davisgk@y12.doe.gov
 (865) 576-0181 office
 (865) 963-5646 cell
 www.SecretCityIP.com

FEATURES

- User-selected blending range
- Back-pressure control valve and regulator
- Compact design
- Programmable for repetitive or complex application

BENEFITS

- Versatile – Able to handle varying degrees of pressure