



Analytical
Science & Technologies

When your
requirements
are supercritical



LPMS-CO2 Testing Kit

Engineered as a portable, non-hazardous solution to carbon dioxide sampling, the LPMS-CO2 is designed to take safe, repeatable samples from any high pressure liquid and gaseous carbon dioxide source.

Using best engineering practices, the LPMS system will phase change a liquid cryogenic sample to a low pressure gas sample, suitable for non-hazardous shipping. Patented sampling methods maintain representative sample characteristics for off-site analysis.

Fast, Safe, Simple and Stable, the LPMS is the best in class sampling system for cryogenic samples.



Design Points:

- 110/120 VAC or 220/240 VAC
- Heated, vaporizing regulator
- High pressure cryogenic transfer line
- High volume snow horn
- Passivated sample paths
- ZDV quick connect for direct, low pressure sample can connection
- ATA 300 compliant shipping case
- 25 foot power cord

LPMS-CO2 Testing Kit



FAQ

Does this technique meet ISBT standards?

- This technique exceeds the ISBT guideline for sample stability and interferences
It is considered "exceptional" for CO₂ service
- Sample containers may be used to sample low levels of O₂ and N₂ as well as reactive and sticky components

What are the DOT requirements for the Sample Can?

- The Sample Can is NOT a pressure vessel. Therefore, there are no routine pressure test or hydrostatic testing requirements

Can the Sample Can be re-used?

- The Sample Can is made of electropolished stainless steel and passivated with an inert coating. The can has an infinite lifespan when used properly

What about the quick connect?

- The ZDV fitting uses an internal bayonet closure
- No reactive materials are in the gas path
- The bayonet is captured inside the metal sleeve (to prevent inadvertent opening)

There are no pressure relief devices. Is it safe?

- Yes, the system is designed to be used as a complete device
- It is not to be used in service pressures greater than 30psig and has a MAWP > IOx
- Pressure relief devices are located on the sampling system (high pressure liquid relief, low pressure gas relief)
- A pressure regulator is installed with a 30psig max outlet pressure
- The ZDV can only be used with mating ZDV's and cannot be hooked up to other devices

Contact ASTG For Additional Information

Please contact us for additional information regarding the LPMS-CO₂ Testing Kit and for information about other ASTG products and specialty gas services.

Analytical Science and Technologies Group
2 Spring Street, Newton, NJ USA 07860
ph: 1.888.363.2541
em: info@anascitech.com
www.anascitech.com



Analytical
Science & Technologies