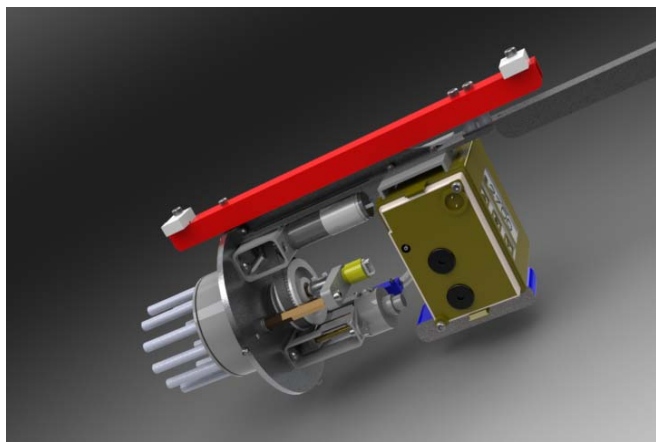


MULTI-TUBE REMOTE SAMPLING (MTRS) SYSTEM

MTRS EXPLAINED:

MTRS systems are unique air monitoring devices that can be utilized to sample a given area of concern in both the vertical and cross-sectional aspect downwind of a plume from point, line, or area sources. Up to 12 identical or different sample tubes of various media can be loaded into a MTRS unit at one time which alleviates the need to change sample media during a given test period. Sample flow and timing is controlled through a wireless telemetry system and custom software. MTRS systems can be utilized on balloon aerostats, UAS units, fixed towers, and other mobile or fixed sampling platforms.



BENEFITS:

- ✓ Lightweight – 3 lbs
- ✓ Versatile and Expandable
- ✓ Ability to Vary Flow Rates in Real-time
- ✓ Easily Deployable on Various Platforms
- ✓ Real-time Feedback of Data Collection and Position Status (GPS Integrated)
- ✓ Remote Operation of Single or Multiple MTRS Units at One Time



CAPABILITIES:

The applications for this technology are practically limitless and include: real-time and post-processed sample collection utilizing nearly any sampling platform. Apogee has utilized three MTRS units for airborne perfluorocarbon tracer sampling during controlled plume releases from a CO₂ sequestration test site. Other applications include sampling urban/remote ambient air sheds, pollution characterization studies, and release studies using tracers.

APOGEE'S MISSION:

To establish a worldwide reputation for excellence in developing unique and/or improved processes for safeguarding the environment and the security of the nation.

FOR FURTHER INQUIRES, PLEASE CONTACT:

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