Thermo Fisher SCIENTIFIC

Biogas

Real-time biogas analysis with process mass spectrometry

Monitor gas composition from raw biogas to biomethane



Scan to connect with a specialist.

Why process mass spectrometry for biogas?

- **Monitor across the process:** Measure gas composition from raw biogas through upgrading to final biomethane quality.
- **Track multiple components:** Monitor methane, CO_2, moisture, oxygen, nitrogen and sulfur-containing compounds in near real time.
- **Identify methane slip**: Monitor off-gas streams to better understand separation performance and potential methane losses
- **Support biogas upgrading**: Track changing gas composition before and after membrane or PSA upgrading processes.
- **Verify biomethane quality**: Measure final gas composition and support calculations such as heating value, specific gravity and Wobbe Index.
- **Meet evolving monitoring needs**: India's GOBARdhan Scheme guidelines recognize on-line mass spectrometry alongside gas chromatography for measuring output CBG quality.

Learn more at **thermofisher.com/primabt**

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