PRODUCT DATASHEET

CBG Plant Compliance and Performance Kit

Online analyser, SCADA and shut-off for CBG plants





DETAIL – NAMEPLATE

OVERVIEW

The Tech Inc. CBG Plant Compliance and Performance Kit adds three things to an operating compressed biogas (CBG) plant: an online gas analyser, SCADA for remote monitoring and control, and automatic shut-off. Together, they measure product gas quality continuously, record plant performance and stop off-specification gas before it leaves the plant.

MODELS AND CONFIGURATIONS

- **Full kit** – online analyser, SCADA and automatic shut-off.
- **Analyser and shut-off** – for plants that already have SCADA.
- **SCADA and shut-off** – for plants that already have an online analyser.

TYPICAL DESIGN DATA

Analyser	Gas chromatograph or mass spectrometer, to client specification
Parameters measured	Methane, CO_2, H_2S, oxygen and moisture, or to the plant's monitoring requirement
Sample points	Product gas as standard, with raw biogas and intermediate points to client specification
Shut-off	Fail-safe automatic valve on off-specification gas
SCADA	Data logging, trends, alarms, reports and remote access
Hazardous area	Electrical equipment selected for the hazardous-area classification, or to client specification
Installation	Retrofit to the existing gas train after a site survey

APPLICATIONS

Operating CBG plants, biogas upgrading units at dairies, distilleries and sugar mills, municipal and food waste plants, and biomethane supply to vehicle fuel and city gas.

KEY ADVANTAGES

- **Continuous quality record** – product gas measured and logged around the clock
- **Automatic protection** – off-specification gas stopped before it reaches dispensing or the grid
- **Performance visibility** – methane recovery, uptime and energy use on one screen
- **Remote access** – plant status available off site
- **Retrofit** – fits existing gas trains with a short tie-in

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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