

LANDFILL GAS

ENCLOSED FLARE UNITS

Gas Analysis

Our Flare Units can be supplied with a wide range of accessories and control systems to suit individual site and customer requirements.

GAS ANALYSERS

To provide information on the composition of landfill gas being extracted by the flare. High oxygen and low methane values can be integrated into the flare control system for additional safety shut down.

FLAREGAS 1

Methane: 0 to 100%
- typical accuracy 0.2% @ 5%
Carbon dioxide: 0 to 100%
- typical accuracy 0.1% @ 10%
Oxygen: 0 to 25%
- typical accuracy 0.5%

FLAREGAS 2

Methane: 0 to 100%
- typical accuracy 0.2% @ 5%
Carbon dioxide: 0 to 100%
- typical accuracy 0.1% @ 10%
Oxygen: 0 to 25%
- typical accuracy 0.5%
Hydrogen sulphide: 0 to 200ppm*
- typical accuracy 2% of H₂S
- sample rate 15 minutes with O₂ purging

Atmospheric pressure 800 to 1200mbar

Temperature range -10 to 60°C (typical accuracy 0.5°C)

* Special range up to 5000 ppm available on request



DP FLOW METER

A differential pressure transmitter to provide a digital signal of landfill gas flow to the flare



TEMPERATURE

Temperature signal can be provided via the combustion control thermocouple



SUCTION PRESSURE

Suction pressure of the flare can be provided with a pressure transducer



LANDFILL GAS

ENCLOSED FLARE UNITS

Telemetry & Data Logging Systems

TEL 1

An all alarms fault dial out system which reads all alarm signals and alerts any fault by automatically dialing to specified telephone numbers.

To identify the problem a person will need to go to site and investigate the flare control system.

The system is suitable for standard phone line or GSM connection.

TEL 2

As for Tel 1 plus the facility to access the flare and monitor its operation, start and stop the flare and diagnose faults remotely.

Digital input & output signals can be read to monitor flare status including flow, temperature and operating status.

The system is suitable only for standard phone line.

TEL 2A

As for Tel 2 but has the facility to read all analogue inputs such as analysers.

UNILOG O.S.

All data from control systems and analysers can be viewed and down loaded either into a disc within the Log O.S. panel or via a laptop computer.

UNILOG R.A.

As for the Log O.S. but has the facility to remotely access and download all data and to access all digital and analogue signals.

The system is suitable only for standard phone line.

Specifications may change without prior notice

