GASVAC®
SAMPLING SYSTEMS

PRODUCT DESCRIPTION:

The GasVac® systems provide access to target areas not achievable by conventional gas monitoring systems. Application considerations include equipment security, safety restricted areas, harsh environments, high or low level working, inaccessible locations where only a probe can be used, and any other situations where severe restrictions are placed on operating / maintenance staff.

A variety of system types are available including continuous and sequential monitoring in a variety of enclosureswhich may be customised to suit client requirements.

GASVAC® PRODUCT RANGE

Choosing the sample system for your specific requirements from the GasVac® range

GasVac® Solo

Multi-function multi-application single line flow sample system, continuously monitoring up to 5 gas types from the harshest of environments.

The Solo has a unique system controller which enables three main functions to be selected according to site conditions and sampling requirements. Samping time, clean air purge time and condesate drain cycle time.

All sensor 4-20mA signals are maintained during purge periods, therefore enabling continuous monitoring of the system regardless of the selected function time periods.

- Monitor up to 5 gases
- Single Line Sampling
- Continuous Monitoring
- Selectable sample purge and drain times
- Easily installed
- Low maintenance requirement

GasVac® Solo+

Multi-function multi-application multi line flow sample system, continuously monitoring up to 4 gas types from the harshest of environments.

The Solo+ has a unique system controller which enables three main functions to be selected according to site conditions and sampling requirements. sampling time, clean air purge time and condensate drain cycle time.

- Monitor up to 4 gases
- Multi Line Sampling
- Switch selectable, sample, purge and drain times
- Easily installed
- Low maintenance requirement

The Solo and Solo+ offer low cost, high reliability with proven technology, the complete package for any application.

GasVac® 311

The GasVac® 311 system has been designed to continuously monitor gas levels. The system is supplied factory programmed and pre-calibrated to enable immediate operation by connection of a power supply and attachment of the sample line and its optional intake module network or linear sensor line.

- Single Line
- Single Sensor
- Continuous Monitoring
- No Valves – No Cycle Time

GasVac® 305

GasVac® 316

GasVac® 306

The GasVac® 305/306/316 systems have been designed to monitor gas levels from a number of sample points, targeted at situations where the positioning of conventional gas sensors may not be practical.

Gas samples are sequentially extracted for a timed period by a central control unit via fixed sample lines. A high rate sample is taken by the main pump during which a reduced rate sample is passed across the sensor device.

The central unit provides gas level readouts with alarm trip points and a range of signal outputs for annunciator and control functions.

GasVac® 305

- 1-48 Sample Points
- Monitor up to 8 gas types

GasVac® 316

- 1-33 Sample Points
- Monitor up to 8 gas types

GasVac® 306

- 1-20 Sample Points
- Monitor up to 2 gas types or 4 gas types as a special build project

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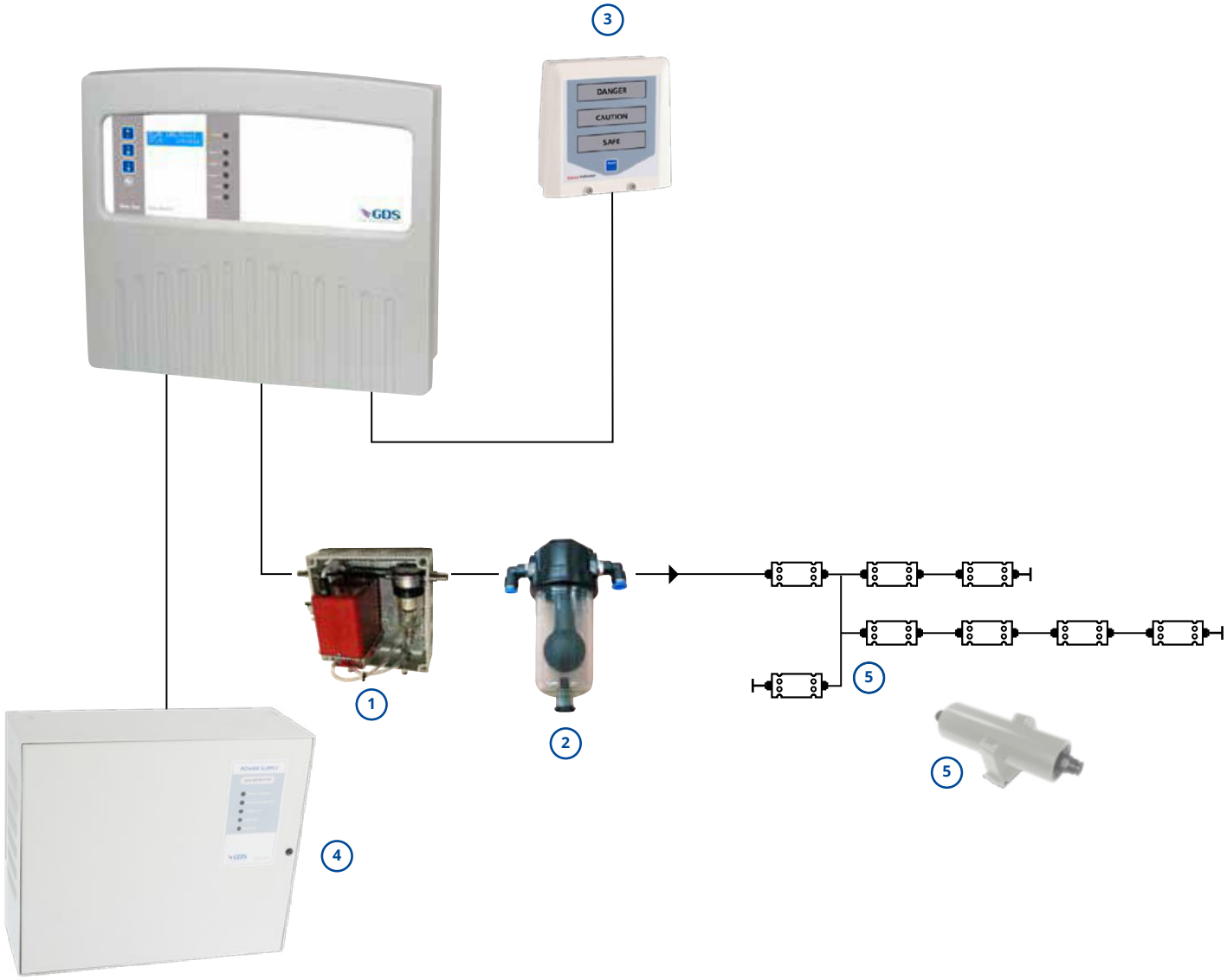
GASVAC® 311 CONTROLLER CONFIGURATION OPTIONS



Optional Equipment

1. Auto Drain Unit
2. Sample Line Water Trap
3. Alarm Status Indicators
4. UPS – GDS707
5. Sample Intake Module Network – Patented Micropore Sampling System

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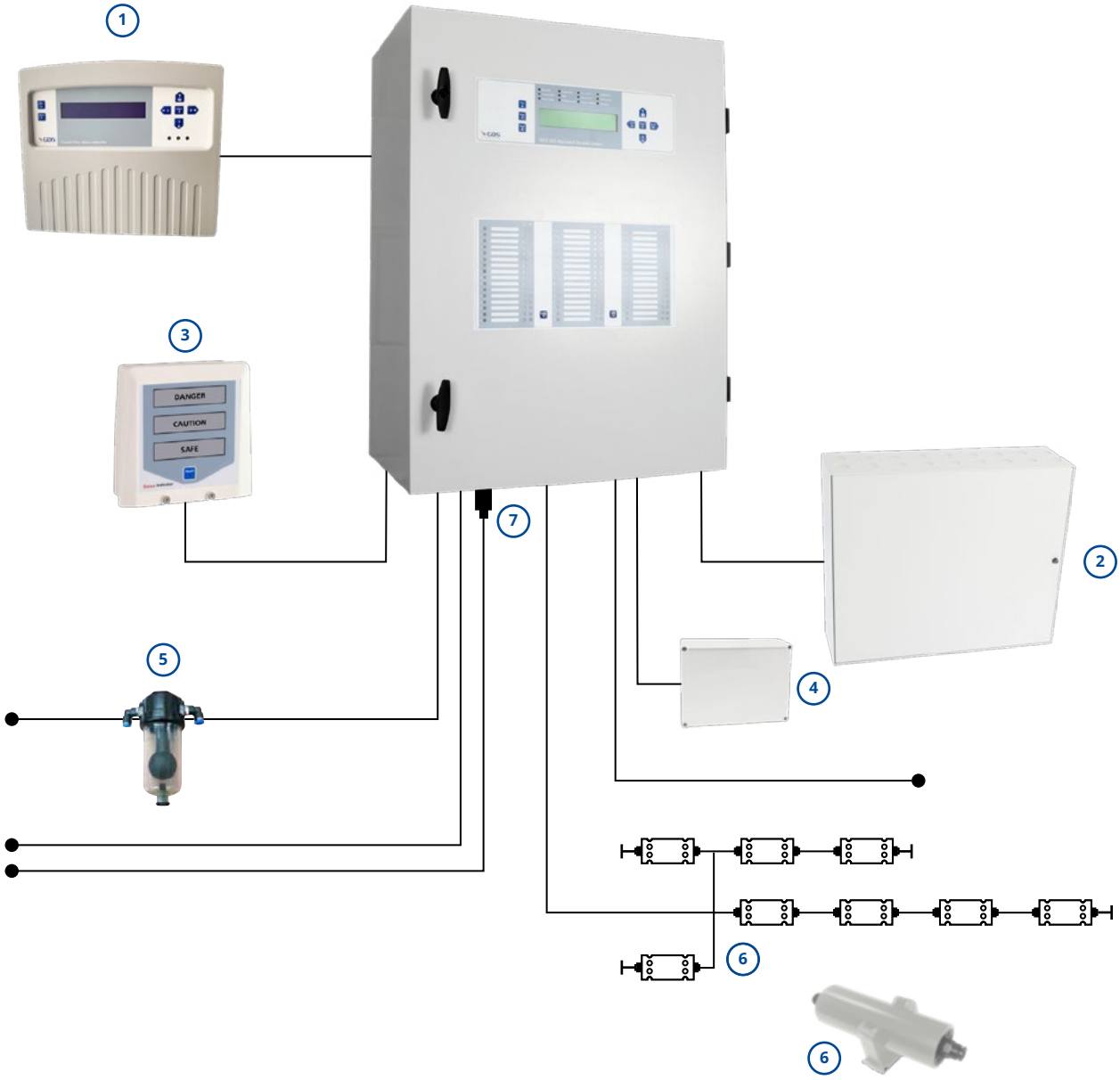
GASVAC® 305 CONTROLLER CONFIGURATION OPTIONS



Optional Equipment

1. Repeater / Control Panel
2. Remote Relay Panels 4/8/32 way
3. Alarm Status Indicators
4. Data Link
5. Sample Line Water Trap
6. Sample Intake Module Network – Patented Micropore Sampling System
7. Sample Line Flame Arrestors

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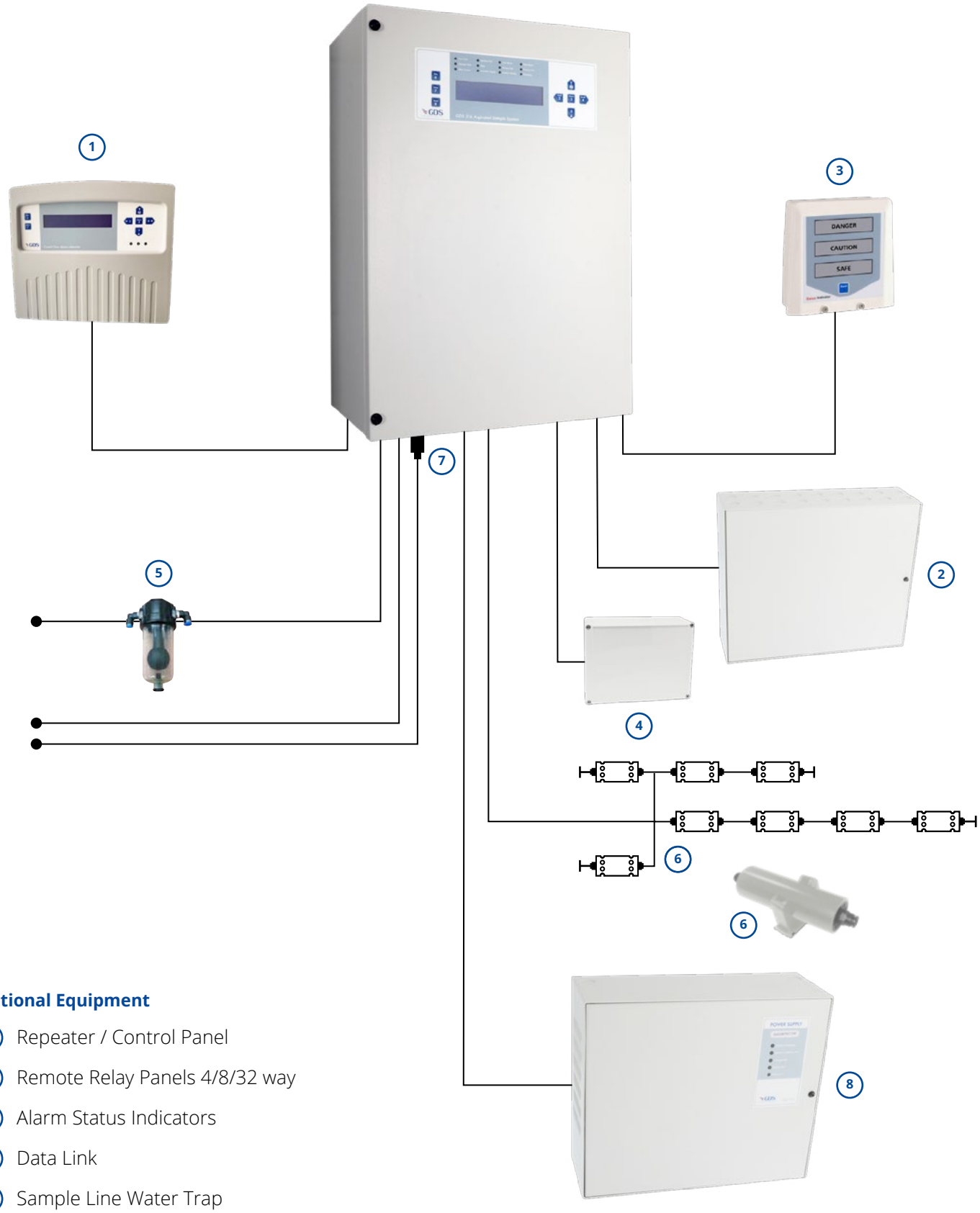
GASVAC® 316 CONTROLLER CONFIGURATION OPTIONS



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3. Alarm Status Indicators
4. Data Link
5. Sample Line Water Trap
6. Sample Intake Module Network – Patented Micropore Sampling System
7. Sample Line Flame Arrestors
8. UPS – GDS707

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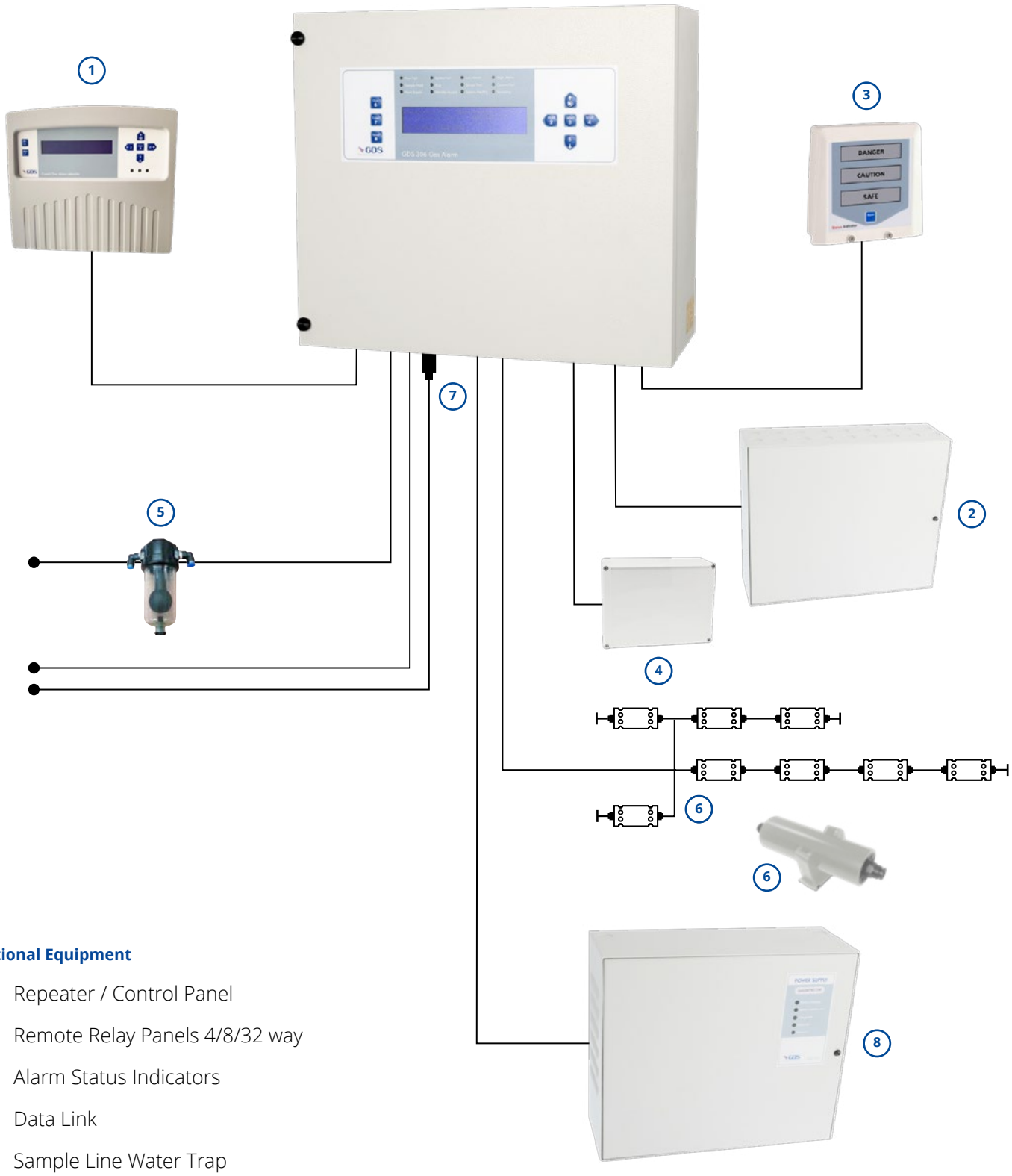
GASVAC® 306 CONTROLLER CONFIGURATION OPTIONS



Optional Equipment

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2. Remote Relay Panels 4/8/32 way
3. Alarm Status Indicators
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5. Sample Line Water Trap
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APPLICATIONS

We can fulfil a wide range of applications, if yours isn't listed please get in touch with our sales team.

Abattoirs

Air Conditioning Plant

Air Quality

Battery Rooms

Bio Fuel Storage

Biogas Recovery & Processing

Bore Holes

Breweries & Distilleries

Chilled Water Plants

Chiller Plant Rooms

Clean Rooms

Cold Stores

Composting

Distribution Centres

Farming & Agricultural

Food – Mixed Waste

Food Manufacture, Processing, & Packaging

Gas flaring

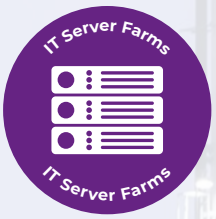
Horticulture

Hospital Operating Theatres

Hotel Accommodation

Inaccessible Target Areas

Incubation



IT Server Farms

Landfill Perimeter

Marine

Odour Monitoring

Provisions Stores

Refrigerant Leak Detection – Retail, Machinery

Remediation – Contaminated Land

Security

Sewage And Waste Water Treatment

Sumps

Tank Farm Monitoring – Storage

Underground Car Parking

Waste Storage

Waste to Energy

GDS TECHNOLOGIES

GASVAC®
DRAW SAMPLE SYSTEMS
Specification Sheet Ref C1830A v.2

SPECIFICATION

	GasVac® Solo	GasVac® Solo+	GasVac® 311	GasVac® 305	GasVac® 316	GasVac® 306
Sample Points	Single Line	1-8	Single Line	1-48	1-33	1-20
Measurements	Combustible Gas – LEL, % Vol Toxic Gas – ppm % Vol Oxygen - % Vol Depletion / Enrichment Refrigerant - ppm					
Sensors	1-5	1-4	1	1~8	1~8	1~4
Outputs	Analogue 4~20mA CANbus – GDS Combi system Logging – Intervals, variable time, Roll over / stop Storage – 2880 readings		Analogue 4~20mA CANbus – GDS Combi system Logging – Intervals, variable time, Roll over / stop Storage – 2880 readings Dry contacts	Analogue - 4~20mA CANbus – GDS Combi system Logging – Intervals, variable time, Roll over / stop Storage – 2880 readings Modbus Dry contacts		
Relays	Flow pump fail - S.P.C.O. Individual sensor alarm relays - optional Low / High / Overrange - Fault S.P.C.O. Cabinet sensor - S.P.C.O - optional Supply fail - S.P.C.O. - optional		1,2,3 and fault alarm relays – S.P.C.O. normally de-energised – energised option, latched or unlatched Flow Fail S.P.C.O.	Global Low S.P.C.O. Global High S.P.C.O. Global Fault S.P.C.O. Flow Fail S.P.C.O. Power Fail S.P.C.O. Cabinet Sensor S.P.C.O.		
Power	230-115v AC – 24v DC					
Indication	Power Purge Drain ON Sampling		Two line alpha numeric back lit display Power – Green LED Alarms 1, 2, 3 – Red LED's Fault – Amber LED Alarms Inhibit – Amber LED	System Healthy Main Power Standby Power High Gas Alarm Low Gas Alarm System, Flow, Sensor Fail Comms Fail Skip / Hold Sampling		
Audible Alarm	–	–	1, 2, 3 and Fault Alarms – mutable 85dB @ 10cm	All Alarm Conditions		
Communications	–	Data Link – Data Transfer (option)	–	Modus 2 x RS485 CANbus - Internal Data Link – Data Transfer (option) 4~20Ma Analogue Outputs		
Operating Temperature	-10°C to +50°C					
Storage Temperature	+5°C to +55°C					
Humidity	0-95 non condensing					
Ingress Protection	IP66		IP52	IP63		
Dimensions	600 x 600 x 210		315W x 265H x 95D	600W x 800H x 350D	450W x 640H x 270D	450W x 400H x 200D
Weight	25KG		3.8KG	65KG	35KG	20KG
Sample Tube	6mm OD 4mm ID Standard Length 50M Option 100M			8mm OD 6mm ID Max. Length 300M	6mm OD 4mm ID Max. Length 200M	
Exhaust Port	6mm OD			2/10mm OD	2/6mm OD	
Enclosure Material	Mild Steel					
Colour	Ash Grey BSA01 Powder Coat					
Standards	–	–	–	EN60945: 2002 Maritime General Requirements		

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