GDS TECHNOLOGIES LTD

Combi

Addressable/Direct Gas Monitoring System

Specification Sheet
ref C689

- **Up to 64 addressable sensors**
- **1-16 direct 4~20mA sensors**
- **Either or both types of sensors**
- **Single 4 core sensor network**
- **On screen text description of sensor locations**
- **3 alarm levels**
- **Event log / data log**
- **Low cost installation**
- **Repeater panel - option**
- **Additional relays - option**
- **One man calibration utilising data storage**
- **Automatic safety check diagnostics/system surveillance**

Combi has been designed to operate in the full range of environments from commercial premises through to heavy industrial applications which may require hazardous area sensing.

Typical monitor locations are - public buildings, car parks, tunnels, breweries, boiler plant rooms, water treatment works, H&V control, manufacturing, process plants, horticulture, hotels, offices.

Each gas sensor continuously monitors the atmosphere, reporting any hazardous conditions to the control unit, for display by the alpha numeric screen indicating the reporting sensor, gas type, concentration and alarm status. Alarm levels that are exceeded will automatically activate a variety of signal outputs including analogue/digital data and user selectable relays.

The Combi system operates on a 4-core cable network and has the capacity to monitor up to 64 addressable sensors of various gas types. Larger systems offering unlimited sensors can be achieved using multiple combi units housed in a 19" rack based system. The Combi is supplied ready to use with pre-calibrated gas sensors and provides for additional sensors that can be easily added to any point of the network.

Sensor points	• 1-64 addressable – Can bus – and/or
Measurements	• Combustible Gas - L.E.L., % vol • Toxic Gas - ppm, % vol • Oxygen - % vol - Depletion/Enrichment • Refrigerant - ppm • Any 4 ~ 20mA transmitter
Indicators - control unit	• Dot matrix LCD 4 line 40 character sensor locating details, gas type, concentration (rising or falling), alarm status, system fault, line fault, sensor fault, inhibit, real time clock, event memory • Red LED - global alarm Amber LED - global fault