

# Gas Status Sx

## Cargo Pump Room Gas Detection System



- Fixed intrinsically safe infra-red or catalytic combustible transmitters
- Fixed intrinsically safe electrochemical oxygen and H2S transmitters
- Multiple remote displays on multi-drop network
- Easily installed and maintained
- All sensor locations displayed on screen (no scrolling to read)

The Gas Status Sx is designed as a cost effective and reliable fixed sensor solution for continuously monitoring gas concentrations in the pump room. Intrinsically safe INFRA-RED combustible sensors can be located in up to 6 locations within the pump room. Additionally, an oxygen sensor and/or a hydrogen sulfide sensor can be connected to the system.

The Gas Status Sx provides continuous display of all sensor readings and alarm conditions on its graphic LCD screen. It has SPST relays for alarm lamp outputs, horn outputs and common system alarm. Additionally, remote display units can be multi-dropped around the vessel, providing easy access to all necessary information in places such as the bridge and engine control room.

Larger integrated systems are available with our Gas Status Lx system. The Lx system can monitor up to 8 pump room sensors and up to 39 ballast tank and void space locations.

# Gas Status Sx

## Cargo Pump Room Gas Detection System

### Specifications:

Monitor (Main & Remotes)

#### Power

**Operating Temperature**  
**Humidity Range**  
**Alarm Points**

**Primary** 90–240 VAC 2 Amp

**Secondary** 24 VDC 2.5 Amp

-20 to +50 °C

0–90% RH, non-condensing

Primary power failure

Secondary power failure

#### Warning

Combustible 5 - 15%

Oxygen 19.5 – 19.0%

H2S 5 - 15 ppm

#### Critical

Combustible 10 - 20%

Oxygen 19.0 – 18.0%

H2S 10 - 20 ppm

#### Outputs

Common lamp relay SPST 240V 2A

Common horn relay SPST 240V 2A

System relay SPST 240V 2A (Pulses once on new alarm)

#### Mounting

##### Size

Panel mount (wall optional)

218mm x 155 mm x 100 mm (HxWxD)

### Sensors

#### Combustible

Gas Types  
Sensor Type  
Range  
Operating Temperature  
Humidity  
Safety (BASEEFA)  
Zones

Flammable Fuels (Not Hydrogen)

NDIR Infra-Red

0–100% LEL

-20–+50 °C

0–95% RH, non-condensing

EEx iad IIC T4 (-20°C<Ta<+60°C)

1 or 2

#### Oxygen

Sensor Type  
Range  
Operating Temperature  
Humidity  
Safety (BASEEFA)  
Zones

Electrochemical diffusion

0–25%

-20–+40 °C

0–99% RH, non-condensing

EEx ia IIC T4

0, 1 or 2

#### Hydrogen Sulfide

Sensor Type  
Range  
Operating Temperature  
Humidity  
Safety (BASEEFA)  
Zones

Electrochemical diffusion

0–50 ppm

-20–+40 °C

15–95% RH, non-condensing

EEx ia IIC T4

0, 1 or 2