

# ANALOX

## Hypergas MkII

Hyperbaric HC Monitor

### What?

The Hypergas MkII is a unique, hyperbaric hydrocarbon monitor comprising of a bell monitor which contains a sensor manifold and a topside repeater which mimics the status of the bell monitor.

The unit is set to alarm at 10% of the amount of hydrocarbons required to cause anaesthesia.

### Why?

The unit was designed in 2006 in response to an incident in the North Sea where a diving bell was contaminated with hydrocarbons brought into the bell from the seabed by a diver.

Small quantities of hydrocarbons can off gas in the bell atmosphere and act as an anaesthetic which could prove potentially fatal for the divers if they are not made aware so that they can take evasive action.

The Hypergas MkII is now mandated by The Association of Oil & Gas Producers (OGP) in their "411 Report" which means that any diving contractor working for an OGP member such as Shell, BP, Total or Chevron must have a Hypergas MkII installed in their saturation diving system.

The unit is now used in the majority of operational diving bells and recognised as the accepted best industry practice.

### Where?

The Hypergas MkII bell monitor is located inside the diving bell so that the presence of hydrocarbons can be detected rapidly and the divers alerted quickly.

A topside repeater which mimics the status of the bell monitor for the dive control team is located in the dive control area.

Analox recommend that the operator keeps a minimum of one spare manifold on the vessel for every operational bell monitor.



# Hypergas MkII

Hyperbaric HC Monitor

## Key features

- Large, bright full colour display
- Provides calibration and sensor replacement flags
- Datalogging option
- Ethernet data output option  
(Protocol available on request)

## Sensor specifications:

### Operating Range:

Hydrocarbon, eg 0 to 30% Propane

### Pressure:

1 to 60 BAR A

### Power Supply:

External: 8 to 30vDC

### Temperature:

Compensated: 5 to 35°C/41 to 95°F

Storage: -20 to +55°C/-4 to 131°F

### Humidity:

0 to 95% RH non-condensing

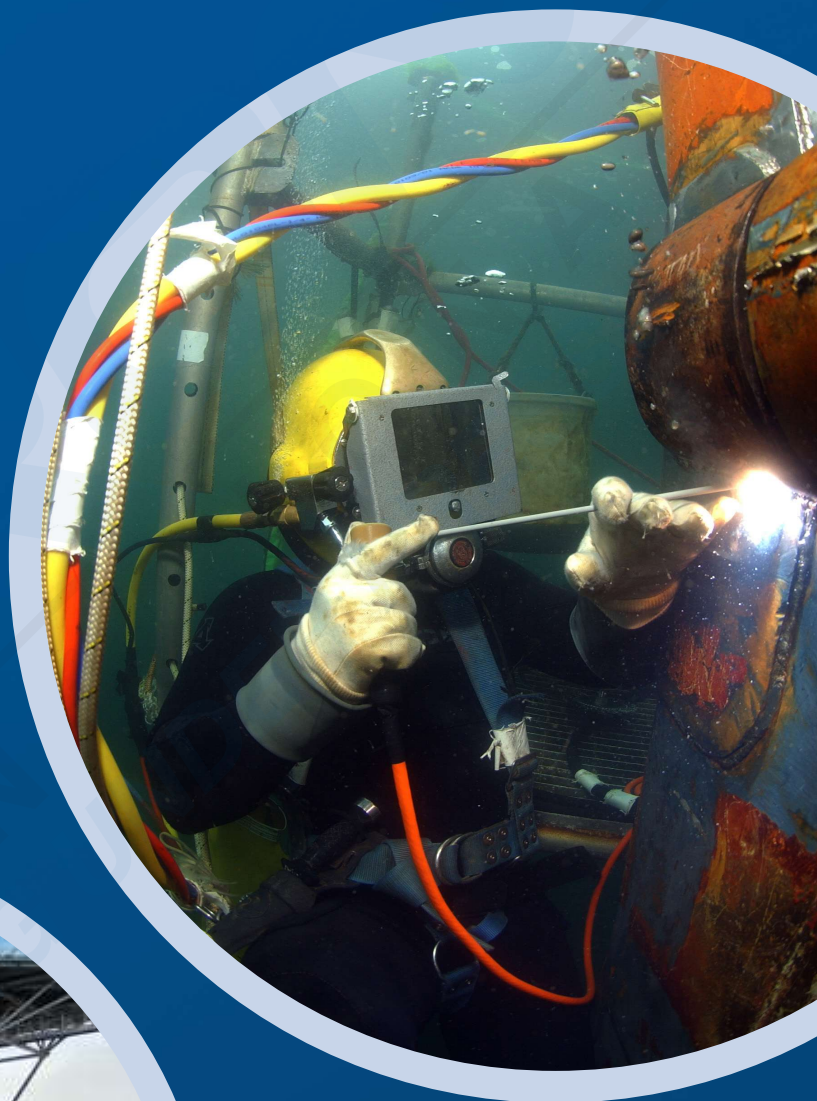
### Dimensions & Weight:

#### Bell Monitor:

200mm (W) x 215mm (H) x 100mm (D) <2.5kg/5.5lbs

#### Topside Repeater:

190mm (W) x 160mm (H) x 100mm (D) <2.0kg/4.4lbs



# ANALOX



15 Ellerbeck Court, Stokesley Business Park, North Yorkshire, UK.TS9 5PT



+44 (0) 1642 711400



[info@analox.biz](mailto:info@analox.biz)



[analoxsensortechnology.com](http://analoxsensortechnology.com)