

## Bitumen Tank Monitoring System

### Features

- Continuous level monitoring with tank contents and safe ullage readings
- High and ultimate high level audible and visual warnings
- Electrically separate systems for fail safe monitoring
- System test facility

**The EIIGuard Bitumen Tank Monitoring System** continually monitors the level of bitumen to display “at a glance” tank contents and safe ullage readings, providing site personnel with useful information to maintain sufficient product levels.

### Safe Tank Filling

Designed as an aid to safe tank filling the system is fitted with two independent level probes, one of which gives a continuous level reading and a high level trip point, and the second a single point level, which provides an ultimate high level trip point.



Each level probe and its corresponding alarm are powered from electrically separate sources; typically, the ultimate high level probe is powered from the main plant feed, with the continuous probe taking its feed from the tank heaters. Should one sensor fail the remaining sensor becomes the fail safe\*

A rugged weatherproof control panel houses illuminated displays showing tank contents and safe ullage levels. Top mounted easily visible red and amber flashing lights, together with sounders, signal a warning if the bitumen reaches the high or ultimate high level.

Independent test buttons are fitted for each indicator, enabling the operator to test the functionality of each level probe and its corresponding alarm prior to filling. Complete with repeater warning

lights, and an alarm mute, the system is designed and calibrated in line with the current RBA\*\* guidelines on safe bitumen tank management. For tanks in excess of 30m<sup>3</sup> a green panel lamp identifies when the tank has sufficient safe ullage to receive a full tanker (approx 28 tonnes).

\*It is imperative that the alarms are tested prior to filling. These units are an aid to tank filling and do not automatically shut off the flow in the event of a high level alarm being triggered.

\*\*Refined Bitumen Association

### Technical Details:

Weatherproof enclosure:

IP67 300 x 300 x 120 (mm) single

IP67 600 x 600 x 200 (mm) quad

Backlit LCD displays, long life LED indicator lights

Power requirements: 110v ac or 230v ac

### Optional Extras:

Temperature display

4-20mA output interface

Low level trip to switch off heaters

### Related Products:

Bitumen heater power monitoring telephone alert system