

VMaC-306 Tank Monitoring System



An advanced tank monitoring system in the “VMaC” range, with remote monitoring features.

Compatible with a variety of level measuring devices and level switches to produce a tailored solution; matching your bulk stock monitoring needs.

Can be used as a system upgrade path; utilising your existing tank sensors (Where compatible).

Interface straight to your local IT network without additional software; Information is produced in a standard web page (Internet Explorer or Chrome).

Key features:-

- 8 tank display capacity (16 Option).
- Internet ready; Integral Web server for remote viewing.
- Sudden drop (Theft or leak) monitoring.
- Hi level alarm outputs.
- Continuous Data Logging.
- Outdoor rated industrial mono display.
- Versatile 4-20mA level signal inputs.
- GSM text and email notification of alarms.
- UPS battery backup option; alarm sent on power failure.
- Inputs for alarm switches – Bund level switches, interceptor levels.
- Monitor gate switches, valve switches, etc.

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Capable of being configured with up to 32 4-20mA inputs to accept level and temperature signals. The system can be connected to a broad range of level measuring devices, from simple pressure sensors to high accuracy radar devices.

The system also has modular input and relay output modules, allowing configurations with multiple switch input channels and multiple relay outputs for alarm output functions: Monitor independent high level switches or bund and interceptor level switches.

Contents readings and temperature values (where fitted) are constantly being logged to a memory card. The logs can be examined and retrieved via the web server or by removing the plug in Compact Flash card.

Out of hours monitoring can be enabled which will monitor for sudden drop and generate an alarm event. The drop value can be configured for each tank. If fitted with the UPS option the system can continue to monitor the tanks for a period of time, even if the power is switched off!

A security log also keeps track of access to the system and when and who changed any of the configurable parameters, such as alarm values.

Specification:-

Power : 110/230v ac 50/60Hz

UPS battery back-up option; 24v lead acid – 30 minutes run time with mains power fail alarm notification via SMS text and email.

Communication:-

Modem: GPRS dual band with GSM text feature.

Suitable SIM is required.

Extended external aerial may be required.

Ethernet: 1 x CAT5 10/100Mbps switch connection as standard RJ45 . Hardwire link to local LAN (Wireless options available).

Integral Web browser: Use Internet Explorer or Chrome.

Enclosure: Steel or polycarbonate IP65

Inputs: 4-20 mA, 16 bit resolution. 120 Ohms

Minimum 8 channels.

Maximum 32 Channels.

Digital inputs: Volt free contacts; configurable active Hi or Lo alarms.

Digital outputs Relay: Normally open contacts 5A 30v dc 5A 230v ac resistive.