

Omega

Fuel Management System
Single Pump Operation.

The **PETRO SYSTEMS MANAGEMENT OMEGA** is a simple yet sophisticated fuel management system, designed to provide complete control for commercial transport organisations dispensing fuel to authorised vehicles on -site. The **PSM OMEGA** comprises hardware and software, the hardware is a highly specified Fuel Access Control Terminal (FACT) designed to be installed at the fuelling location. **PMS FM** reporting and control software is a microsoft windows based package which can run on any windows 32 bit platform. The **PMS OMEGA** uses Datatag as the access method for authorisation to use the fuelling facility.

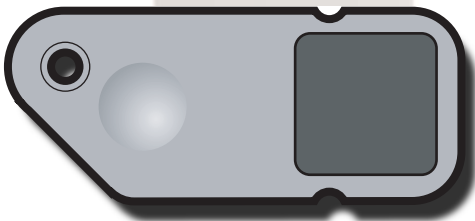
PSM OMEGA - Specification

The **PSM OMEGA** is specified as a pedestal mounted fuel management system which will mount at or near your existing fuel pumps. The **PSM OMEGA** is a single pump controller. The **PSM OMEGA** system incorporates a telephone style keypad which enables odometer readings, driver ID's, fleet numbers etc. to be entered at the point of fuelling. The keypad has alpha numeric capability.

ACCESS METHOD

The **PSM OMEGA** uses a Datatag as the access method. The Datatag we manufacture is a read/write tag, incorporating high security authentication using a cryptographic algorithm and a guaranteed 100,000 read/write cycles minimum. Data retention is 10 years minimum. The advantages of the Datatag are that there are no moving parts maintenance is therefore low, saving costs in the long term on the upkeep of the system. Datatags supplied are guaranteed for the life of the system. The datatag is a read/write device and can be programmed with many operating parameters. The datatag can be programmed either remotely at the FACT or at the PC.

Datatag is Robust,Reliable and
Easy to use



DATATAG - Shown life size designed to fit on a standard keyring.



REPORTING

For reporting purposes data is downloaded from the FACT via a communication link to an existing central PC running windows based **PSM OMEGA FM** software that allows reports to be viewed and / or printed from an existing PC / Printer set-up.

The **PSM OMEGA** incorporates vehicle / driver messaging. A message can be programmed at the **PSM OMEGA FM** software and sent to the FACT. The next time the relevant datatag is used at the FACT a message will be displayed.

The System has a memory capacity of 2,000 transactions between downloads to the PC, these are stored in non-volatile memory that does not require a battery back-up, which, means even in the event of a mains power fail the system will retain all data.

The **PSM OMEGA** incorporates a backlit wide viewing angle graphic display.

Communications

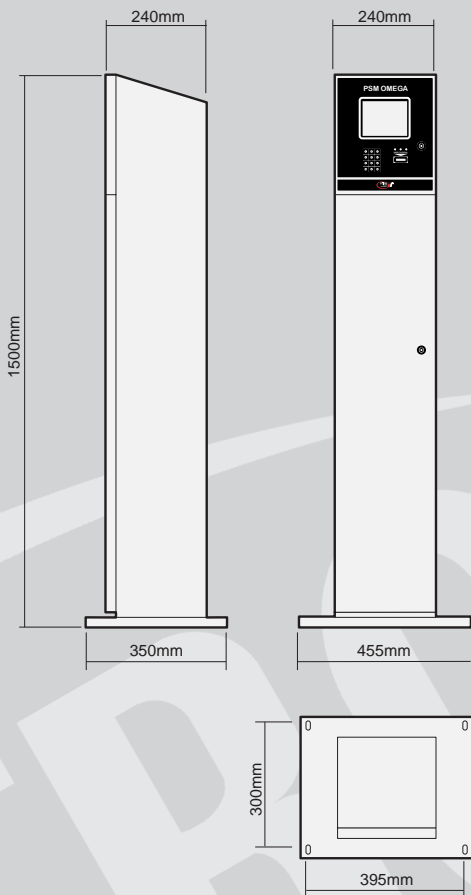
The **PSM OMEGA** can support a number of communication methods.

Direct Wire - RS485 , RS232 . - GSM Modem - Serial Modem - Radio Modem - Network Interface allowing the **PSM OMEGA** to form part of a LAN / WAN.

PSM have improved on the standard for data - download, the traditional method of dealing with a fuelling transaction once it has been down-loaded to a PC has been to delete it from the FACT. The **PSM OMEGA** identifies all transactions as having been downloaded and stores them at the FACT, enabling fuelling transactions to be downloaded again in the event of a PC failure.

Construction

The **PSM OMEGA** (FACT) is manufactured entirely from stainless steel. The unit is sturdy, robust and designed to operate in harsh environments.



Base Fixing Locations



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