

FT2000AP

Integrated Fuel Pump / Fuel Management System

The **FT2000AP** is a simple yet sophisticated fuel management system, designed to provide complete control for commercial transport organisations dispensing fuel. The **FT2000AP** comprises hardware and software, the hardware is a highly specified Fuel Access Control Terminal (FACT) and a good quality/ high accuracy commercial fuel pump. **FUELTEK FM** is our reporting and control software and is a Microsoft windows based package which can run on any windows 32 bit platform. The **FUELTEK FT2000AP** uses Datatag as the access method for authorisation to use the fuelling facility.

FT2000AP - Specification

The **FT2000AP** is specified as a combination fuel dispenser/ fuel management system. The **FT2000AP** is a single pump controller (1 internal pump). The **FT2000AP** system incorporates a Graphics display which displays clear concise messages in real English, a robust heavy duty telephone style keypad which enables odometer readings, driver ID's, fleet numbers etc. to be entered at the point of fuelling and our reliable datatag reader. The keypad has alpha numeric capability, used the same way you would use text messaging on a mobile phone. The **FT2000AP** incorporates vehicle / driver messaging. A message can be programmed at the **FUELTEK 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.

ACCESS METHOD

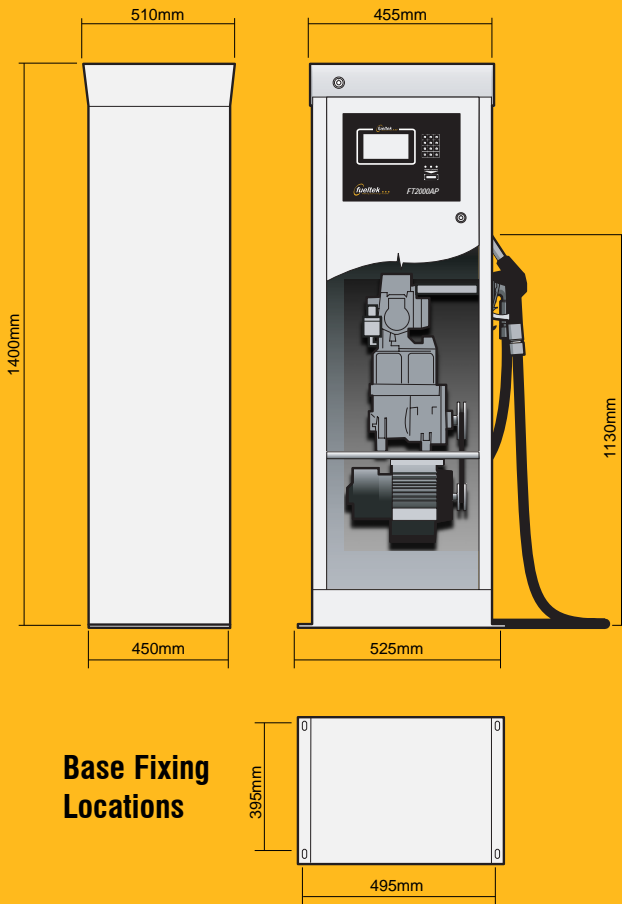
The **FT2000AP** uses a Datatag as the access method. The Datatag we manufacture is a read/write tag, incorporating high security authentication using a cryptographic algorithm and a guaranteed 100,000 read/write cycles minimum. Data retention is 10 years minimum. The advantages of the Datatag are that 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 - Shown Life Size).
Datatag is designed fit on a standard Keyring



Datatags are Robust, Reliable,
Easy to Use and are Guaranteed
for the life of the system





Base Fixing Locations

REPORTING

For reporting purposes data is downloaded from the FACT via a communication link to an existing central PC running windows based **FUELTEK FM** software that allows reports to be viewed and / or printed from an existing PC / Printer set-up. The software can be installed and viewed on a single or multiple PC's . The FACT captures all fuelling transactions that take place, the **FUELTEK FM** PC software will download and process the fuelling transactions and put them into a readable report format.

The main tasks of **FUELTEK FM** PC software are :-

- Communications to the fuelling terminal
- Programming Datatags
- Maintaining tables (Driver\Fueller\Lockout)
- Running Reports
- Stock Control
- Backing up data periodically

Although **FUELTEK FM** incorporates some standard report formats for ease of use, the software incorporates a reports generator which gives you the ability to create and customise your own reports if required.

Communications

The **FT2000AP** can support a number of communication methods. Direct Wire - RS485 , RS232 . - GSM Modem - Serial Modem - Radio Modem - Network Interface allowing the **FT2000AP** to form part of a LAN / WAN.

FUELTEK 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 **FT2000AP** 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.

FT2000AP - Integrated Pump / Fuel Management System - Pump Specification

The pumping unit is a 230 Volt Single phase 70 Litre Per Minute fuel pump. A three metre hard wall hose and an auto cut off nozzle are supplied as standard, we can supply a longer hose if required. The unit uses a four piston displacement meter to ensure overall accuracy of fuel dispensed. The meter is accurate to +/- 0.5% which is achievable over all dispensing speeds. The **FT2000AP** incorporates an air separation unit.

Pumping Unit: Belt Driven with Air Separation

Motor: 230v Single Phase rated at 10 amp.

Meter: 4 Piston Displacement Meter accurate to +/- 0.5 %

Cabinet: Stainless Steel with lockable front door.

Display: Electronic LCD Graphics Display with Backlight. Shows up to 9,999.9 litres

Period Totaliser: Shows up to 9,999,999 Litres.

Lifetime Totaliser: Shows up to 9,999,999 Litres.

Pump Speed: Standard 70 Litres Per Minute. (available in 50 lpm or 90lpm Option)

Standard Equipment: ZVA Auto - Cut Off Nozzle. 3 metre Steel Braided Hose.

Construction

The **FT2000AP** is manufactured entirely from stainless steel. The unit is sturdy, robust and designed to operate in harsh environments.

User Friendly, Reliable, Cost Effective Fuel Management Systems



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