FT4000AP TWIN

The **FT4000AP TWIN is a simple yet sophisticated fuel management system, designed to provide complete control for commercial transport organisations dispensing fuel to authorised vehicles onsite.**

The **FT4000AP TWIN** comprises hardware and software, the hardware is a highly specified Fuel Access Control Terminal (FACT) designed to be installed at the fuelling location. The **FT4000** communicates with **FUELTEK FMO** Browser based software, which is accessible from any location with internet access.

SPECIFICATION

The **FT4000AP TWIN** is specified as a combination fuel dispenser / fuel management system. The **FT4000AP TWIN** can be specified as a single sided unit – a double sided unit and can even have different options either side such as numeric keypad and datatag reader one side and Fuel card reader and QWERTY style keypad on the other.

The **FT4000AP twin** can be specified for different product combinations or same product, Diesel / Gas Oil / Adblue. The **FT4000AP TWIN** is a true twin pump two pumps / two meters and two motors, each pump can be used simultaneously.

The **FT4000AP** can control also control other external pumps through the fuel management system and is capable of controlling up to eight pump simultaneously. The **FT4000** system incorporates a robust heavy duty keypad which enables odometer readings, driver ID's, fleet numbers, job codes etc. to be entered at the point of fuelling. The **FT4000** can be specified with keypad options including Full alpha Numeric, multiple choice alpha numeric (old style text messaging) or simply numeric.

The **FT4000AP** system incorporates a highly visible ¼ VGA back- lit graphics display which displays clear concise messages, to complete the user interface we use our extremely reliable **Datatag** reader or one of the other options available including **Datadisk**, **Datacard** or **Magnetic Stripe card.**

The **FT4000** incorporates vehicle / driver messaging. A message can be programmed at **FUELTEK FMO** can be sent to the FACT. The next time the relevant **Datatag** is used at the FACT a message will be displayed. The **FT4000** system has the capability to provide unlimited storage capacity for look up tables, fleet lists and transaction storage, 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 primary memory can be upgraded to store a larger number of transactions if required.

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ACCESS METHOD

The *FT4000* system offers choices of access method. Datatag , Datadisk, Datacard or Mag Stripe card. The Datatag is our preferred method and is guaranteed for the life of system.

The *Datatag* we manufacture is a read/write tag, incorporating high security authentication using a cryptographic algorithmand a guaranteed 100,000 read/write cycles minimum. Dataretention 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. All *FUELTEK* access devices are programmed directly from *FUELTEK FMO*, you do not have to be in possession of the device to be programed, you can commit changes at *FUELTEK FMO* and the device will be updated the next time it is used in the *FT4000 (FACT)*.

REPORTING

For reporting purposes data is uploaded from the FACT to FUELTEK FMO. Reports can be generated, viewed and / or printed from any location with internet access. Reports can be saved and scheduled to run automatically each day, week or month as required without operator intervention.

COMMUNICATIONS

The *FT4000 / FUELTEK FMO* can support a number or communication methods.

Most commonly we use GPRS modems to allow internet connectivity at the FACT. GPRS (General Packet Radio Service) is a wireless data service and is a connectivity solution based on internet protocols. No call charges apply using GPRS as a small monthly rental fee covers an amount of data transferred.

We can network Interface allowing the *FT4000* to form part of a LAN / WAN. We can utilise Bluetooth, Wi-fi or even cable RS232 or RS485 to provide a route into your own Broadband connection if required.

The Main Tasks of *FUELTEK FMO* are:

- COMMUNICATIONS TO THE FACT
- PROGRAMMING DATATAGS/ ACCESS DEVICES
- MAINTAINING TABLES (DRIVER\FUELLER\LOCKOUT)
- RUNNING REPORTS
- STOCK CONTROL
- BACKING UP DATA PERIODICALLY

FUELTEK FMO incorporates a reports generator which gives you the ability to create and customise your own reports.

PUMP SPECIFICATION

The *FT4000AP TWIN* house two pumping units these are 230 Volt Single phase and can be specified as a 50, 70 or 90 Litre Per Minute fuel pump. A 3.6 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 calibrated to forecourt accuracy which is achievable over all dispensing speeds.

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

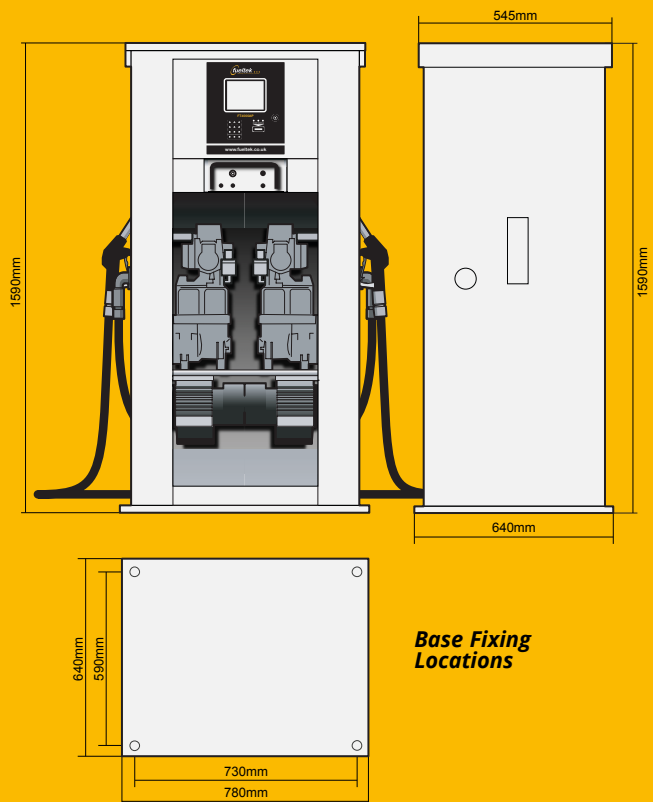**Period Totaliser:** Shows up to 9,999,999 Litres.

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

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

Standard Equipment: Auto – Cut Off Nozzle. 3.6 metre Steel Braided Hose.

CONSTRUCTION

The *FT4000AP* Cabinet is manufactured entirely from stainless steel. The unit is sturdy, robust and designed to operate in harsh environments.

545mm

1590mm

1590mm

640mm

640mm

590mm

730mm

780mm

Base Fixing Locations