

# FMA

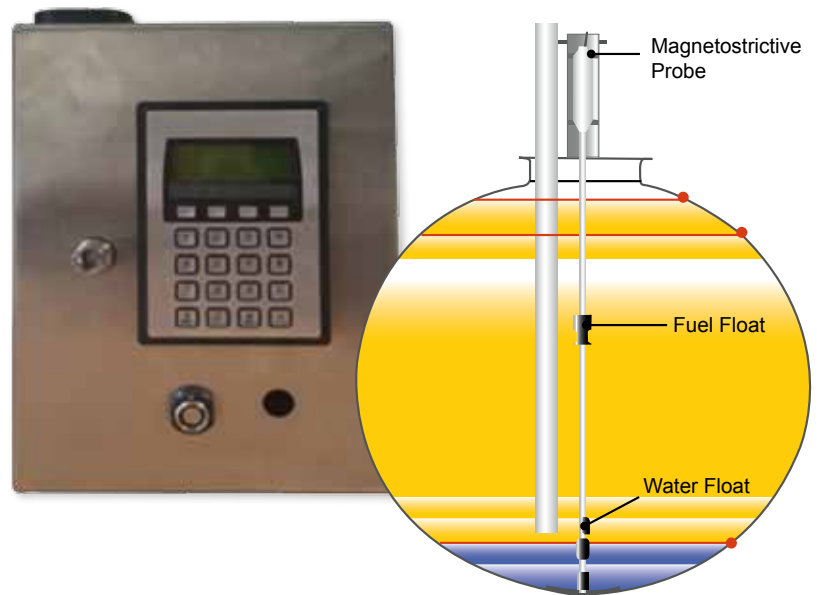
FUEL MANAGEMENT AFRICA

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## ST500 PUMP CONTROLLER

*“Fuel Management systems are an integral part of any bulk fuel storage and dispensing operation. Keeping solutions simple enough to be easily implemented is just as important.”*

There are two hardware aspects to FMS. Controlling and recording dispensing transactions and Automatic Tank Gauging



## IDEAL FOR COMMERCIAL BULK FUEL CONSUMERS

### OPERATING PROCEDURE

- The ST500 controls the pump. To activate the pump, the controller must receive the pre-determined method for activation.
- Once the controller authorises the transaction the driver/operator can dispense fuel.
- A Dallas tag identifying the vehicle is presented, operator then inserts his unique PIN code (like an ATM).
- Lastly the Asset Odometer or engine hour reading is inserted. If operator and vehicle is authorised to dispense, the controller will activate the pump for to commence transaction.
- Various business rules can be implemented when using the controller for pro-active control.
- Pre-determined tank size limits can be set in the background preventing over fill/usage.

### REPORTING

- Site reconciliation
- Multiple site reconciliation
- Current tank levels
- Historical levels
- Vehicle summary
- Vehicle efficiencies
- All sites refuelling combined for total efficiencies
- Client can instantly activate/deactivate or load new drivers/vehicles online
- Clients receive an unlimited amount of website users with or without restrictions

**LIVE DEMONSTRATIONS AVAILABLE**

**THE DIFFERENCE BETWEEN GUESSING AND KNOWING**

# ST500 TECHNICAL INFORMATION

CAPABILITIES	HARDWARE	BENEFITS
Web-based reporting	IP68	Limited human intervention
Reads two nozzles/pumps	Stainless steel enclosure	Accurate data
Operates with 24v/230v	Robust Dallas iButton tags	Online reporting
Integrates with ATG	Powder coated steel stand	No server required
Import on-road transactions	Internal UPS	Automatic reporting
Records driver, asset litres and date, time	Internal modem	Simple operating methods
Collates information for website reporting	Lockable enclosure	Easy to implement on site

## ST500 FUNCTIONALITY

Fuel that is dispensed from the bulk storage tanks and mobile bowsers are monitored and controlled by the ST500 pump controller.

The ST500 pump controllers record:

- Date and time of transaction
- Volume of fuel dispensed
- Vehicle to which fuel was dispensed
- Odometer or engine hour reading of vehicle
- Driver / Attendant (If PIN option is selected)

Based on the information obtained reports are compiled and distributed via our FMA website.

The theoretical closing stock balance is compared to the recorded closing stock balance and discrepancies above the accepted norm are investigated. This is the starting point of any management system and the most important management control on a site.

Fuel dispensed to individual vehicles should then also be managed. All fuel transactions allocated to a vehicle are monitored via a vehicle fuel efficiency reporting.

