

EMCO WHEATON



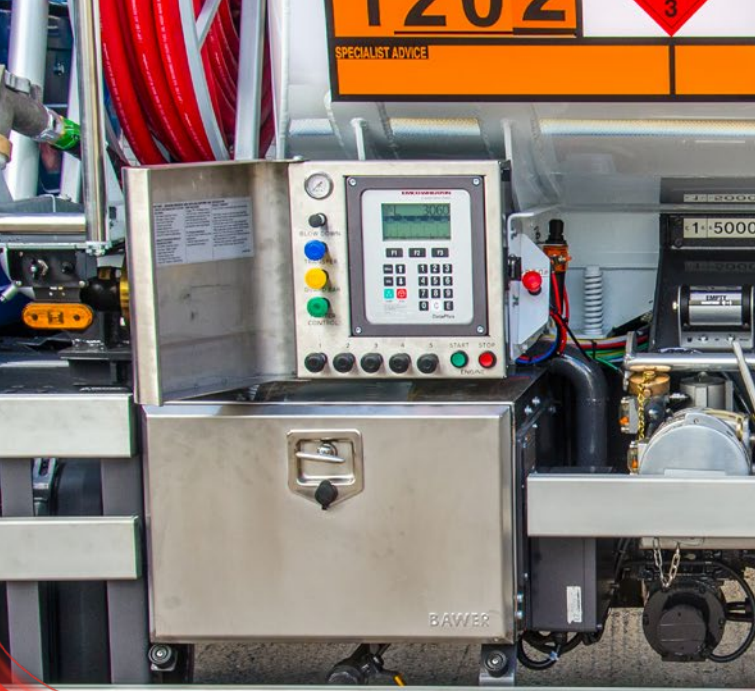
Data Plus

Electronic Pump Metering System

Using sophisticated control technology alongside proven engineered components, in a compact and lightweight modular design, the Data Plus System offers users a simple, safe and accurate method of fuel metering and delivery. Ease of installation and maintenance, the user friendly, intuitive system ensures your fuel distribution operations run smoothly and efficiently.

Key Benefits

- ✓ **Intuitive Operation** – large display with text prompts to guide the operator through the metering process.
- ✓ **Simple installation** – the gas separator is integral to the manifold reducing both weight and installation time.
- ✓ **Compartment Volume Monitoring** – Litre counter will display graphically and numerically the compartment contents.
- ✓ **Anti-Drive Away System** – Once the system has been energised, it requires a driver code to release the vehicle brakes.
- ✓ **Multi-point calibration** – can be calibrated from the keyboard to meter up to five calibration points or two different viscosities.
- ✓ **Automatic Data Transfer** – Allows immediate invoicing.
- ✓ **Temperature Compensation** – The system compensates for product temperature fluctuations.



Applications

This system is fitted onto tank trucks and is often used for heating fuel deliveries. However, the Data Plus is also used to deliver diesel to fuelling stations on farms and off-road sites, such as mines.



Heating Fuel Deliveries



Deliveries to Off-Road Sites

Features & Technical Data

The Data Plus fuel metering system is made up of several components. These include a lightweight aluminium pneumatically actuated manifold assembly with close coupled gas extractor, liquid sensors, electronic counter, electronic unit, meter, product pump, printer and product transfer system.

The manifold assembly complete with a close coupled gas extractor, liquid sensors, product transfer capability and integral guard bars for both API and product transfer valves, is designed to save weight and space.

Delivery is initiated by the litre counter, which receives signals from a pulser unit connected directly to the meter. Once a compartment has been selected, product is drawn via the manifold, which is pneumatically interlocked to prevent product cross over, into the pump and through the meter, to be delivered through either a hose reel or bulk connection. Two liquid sensors prevent air passing through the meter. If the system detects air the delivery will momentarily stop until the air is expelled, then automatically commence once again until the pre-set is reached.

Data transfer automatically transfers delivery information back to the operator via GPRS in real time. This information can be used to validate the correct delivery has been made, generate customer invoices and create accurate audit trails.

A long range hand held remote control includes a digital display, stop/start control, hose reel rewind, PTO control and optional adjustable auto stop feature. Range ± 50 metres dependant on surroundings.



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