



Truck Components

FireStream Symbology Mobile Fuel Wizard

FireStream's Symbology Mobile Fuel Wizard™ is comprised of several truck components:

- Symbol Technologies MC9060G/S hand-held scanner.
- Mobile Wireless Technologies DM2200 Dual-Network Modem
- Liquid Controls LLC Lectrocount LCR-II Electronic Register
- Liquid Controls Single Stage Fail Closed Valve
- Epson TM-U220 Dot Matrix Receipt Printer

Symbol Technologies MC9060G/S

The MC9060G/S combines proven laser barcode scanning technology, Pocket PC computing power and an 802.11B (WiFi) radio in a light-weight ergonomically designed unit that is FM approved for use in hazardous environments. Well balanced and with a comfortable grip, the MC9060G/S is designed for single-handed operation, leaving the other hand free to complete key entry or to maneuver the fuel hose.

System Components

NTEP Weights and Measures Certified. UL Listed.
FM rated for Class I Division 2 environments.



Symbol Technologies, MC9060G/S hand-held computer. Spectrum24® Wireless 802.11b connectivity. Windows PocketPC on Intel Xscale Processor. Rechargeable lithium-ion battery.



Mobile Wireless Technologies DM2200 Dual-Network Modem



Liquid Controls LLC Lectrocount LCR-II Electronic Register



Liquid Controls Single Stage Fail Closed Valve



Epson TM-U220 Dot Matrix Roll Receipt Printer



When not in use, the MC9060G/S is clipped to the driver's belt using our patented Swivel Release Operating Case. The Op Case provides additional protection for the scanner and incorporates a plastic cover over the keyboard. The MC9060G/S can withstand multiple six foot drops to concrete and is Factory Mutual certified for Class I, Division 2, Groups A, B, C and D.

DM2200 Dual Network Wireless Modem

The DM2200 Wireless Modem, mounted in the truck, is designed specifically for rugged commercial vehicle applications. The unit is small and compact, utilizing all solid state components to achieve the reliability needed for onboard vehicle applications. There are no rotating disk drives or other mechanical components that would be susceptible to damage and failure in the harsh jarring environment of a commercial truck.

The DM2200 Wireless Modem integrates onboard computing used to read and control the LC Electronic Register(s) with 802.11B wireless communications to the MC9060G/S carried by the driver. The DM2200 Wireless Modem also provides wide area RF communications and a GPS transponder (Global Position Sensing) if central control and monitoring of your delivery trucks is desired.

The DM2200 Wireless Modem accepts input voltages from 9 to 18 volts DC and incorporates an internal backup battery to prevent malfunctions when the vehicle battery supply drops.

Liquid Controls LectroCount™ LCR-II Electronic Register

The Liquid Controls LectroCount™ LCR-II is an electronic register that can be easily adapted to most existing meters. In addition to its digital read-

out, Epson journal printer support, and optional electronic temperature volume compensation, the LCR-II has a serial communications port that can be connected to an external computer. The external computer can be programmed to control the flow of fuel and to capture the amount of fuel pumped for each vehicle. The serial port interface on the LCR-II allows a single DM2200 Wireless Modem to manage multiple registers.

Liquid Controls Single Stage Fail Closed Valve

This solenoid operated block valve is controlled by the LCR-II. When the LCR-II is manually set in the Run mode or when a valid client vehicle barcode has been scanned in the Symbology Mobile Fuel Wizard™, the valve opens and fuel is allowed to flow. When the LCR-II is put in the Stop mode, either manually or by the Symbology Mobile Fuel Wizard™, the valve closes and the flow of fuel stops. The remote Emergency Shut Off function occurs when the Symbology Mobile Fuel Wizard™ instructs the LCR-II to close the solenoid-operated block valve.

Epson Receipt Printer

The Epson Roll Receipt Printer connects to the Liquid Controls LCR-II and provides the ticket printing function required by Weights and Measures. In addition to printing the Weights and Measures Receipt for total gallons delivered, the printer also prints detailed client delivery and inventory reports.

FireStream WorldWide, Inc.

For more information about FireStream's innovative automation solutions for wholesale and retail petroleum marketers, call us at (314) 434-4601 or access our Web site at www.firestreamwww.com.