

Model 1150 Staticon Monitor and Injector System

The New Emcee Electronics Model 1150 Monitor and Additive Injection Control System is available with several options to either monitor the conductivity of Jet and Diesel fuels or control the injection for a requested conductivity level.

The instrument works by taking a sidestream flow from the product pipeline and passing it through a fuel cell module and returning it to the pipeline. The fuel conductivity and temperature data is passed on to the console shown below. The console can either monitor the conductivity or control a pulsed injector. In either Monitor or Control mode upper and lower limits can be set to prevent shipment of out of spec fuels.



The actual conductivity is presented on a digital panel meter. Information on requested conductivity, actual conductivity, temperature, loading times, gallons, and injections can be presented on an optional monitor. Each loading operation is also recorded on the computer hard drive in both detail load and summary formats for later analysis.

The Fuel Cell Module shown below includes a sidestream pump which is explosion proof. Electronic circuits are routed through an included barrier system to meet Intrinsic Safety requirements. The cell is pressure rated for 150 psig working pressure and each cell is proofed to 750 psig.



The 1150 System will work with a variety of Injectors such as Gates, and Titon in addition to the recommended Milton Roy Injector. Pipeline fuel flow data available from your turbine system is fed into the 1150 to maintain the correct ppm injection as flow rates, temperature, and fuel source change.