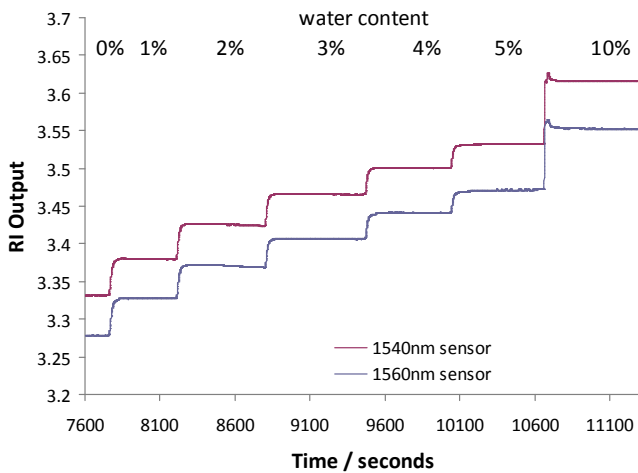




Feed Stock Purity Monitoring (Pharmaceutical)

Feed stock purity is critical in most production processes and Stratophase's Sensor system provides a cost effective, real-time passive method for monitoring the quality of the liquid input to any system.

The SpectroSens measurement system is ideal for real time, multipoint monitoring of liquid production systems. Each central control unit operates multiple sensors networked together by optical fibres, distributed over various zones of the production pipeline, and hence process. Current systems can monitor up to 16 sensors, each reporting on the refractive index and temperature at the measurement point. Each zone is monitored continuously and simultaneously resulting in an overview of the production process – invaluable for PAT.



The data shown here (above and right) was taken in a customer laboratory looking at the intentional contamination of a feed stock (ethanol) with water. The solvent/water mix was controlled using an HPLC pump with a flow rate of 5ml/min. The output of the system shows a rapid, repeatable and accurate response to water concentration variations to a level significantly better than 0.1% at each sensing point.

