The project objective was to develop a scalable process monitoring system for harsh industrial environments. The DIN sized device measures and monitors trace signatures of pH, conductivity, dissolved oxygen, selective ions such as sodium and calcium. The challenge was not only to fit an dense expandable architecture with easy internal access ability, but also be robust enough to withstand UV light, high pressure hose downs, high heat, humidity, dirt, dust and crud. The front face flips down for internal access. The monitor can be either panel or surface mounted as well as hang onto a post. The circular design element was used to differentiate it from the rectangular competitors and the limitations of the DIN profile. Products sourced externally were graphically enhanced with this design language to provide brand continuity. Dual channel backlit display characters are able to be seen from 20' away at any angle and have color coded status lights for quick reference.