

Oakton Handheld Thermocouple Product Line

The project objective was to revamp an aging mediocre line of products with a more flexible, cost effective architecture that could compete with encroaching competition. The product line would accommodate 12+ handheld configurations that partner with a myriad of thermocouple temperature probes. The design had to have a scalable architecture allowing for multiple probe connection configurations, different backlit display technologies and varying keypad layouts within a common housing. Also, it had to accommodate model variants with and without communication and external power jacks, rubber armored jacket and flip out stand. The armored jacket was designed to allow for installation of magnetic elements to enable unit to "stick" to metal duct work for hands free operation. An innovative hand strap enables the unit to hang from a pipe for additional hands free operation. The resulting design truly offered value added features, a distinct scalable naming system, and cost effective manufacturable architecture.



Scalable Modular Architecture

