

Battery Powered Indicator

▶ APPLICATION

Winter is here and offloading a rail tanker of a cold thick fluid can be a problem when the temperature drops outside. Heating the fluid allows for pumping but getting it too hot could ruin it. A portable and extremely rugged temperature indicator was required to monitor the fluid temperature to maintain an optimal temperature.



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▶ CHALLENGE

Power was not available at the location and portability between tanker cars was a must. The sensor had to be capable of being dropped and banged around as can be expected when handling with bulky gloves and jackets impairing movement, not to mention up and down a ladder.



▶ SOLUTION

The new Burns battery powered indicator and a Series 300 sensor sporting the heavy duty sheath option was the perfect solution. The 10 foot long heavy duty sheath provides the strength to survive handling and the sensing element nestled in a proprietary packaging technique insures an accurate and repeatable measurement. Connected to the sensor is our new battery powered indicator. The LCD display is easily readable in any light condition and it provides accuracy to one decimal point. Battery life is three years so there's not a lot of maintenance. Replacement is with a standard 3.7 volt AA size lithium ion available through Burns or at a variety of battery suppliers. Choice of waterproof housings in corrosion resistant polycarbonate or explosion proof aluminum rated by FM, CSA, and ATEX.