



# Bid Specifications

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<b>Subject:</b> SL Series Tank Level Monitor Bid Specifications – 10 LED Dual Master Foam Unit			

## 10-LED Dual Master Foam Tank Level Monitor

An Innovative Controls SL Series Tank Level Monitor System shall be installed. The system shall include 2 electronic display modules in a common bezel, 2 pressure transducer-based sender units, and 2 extension cables. The display modules shall show the volume of foam in both the Class A and Class B foam tanks using 10 superbright easy-to-see LEDs for each. Tank level indication is enhanced by the use of green LEDs at the full and near-full levels, amber LEDs between  $\frac{3}{4}$  and  $\frac{1}{4}$  tank levels, and red LEDs at the near-empty and empty levels. Wide-angle diffusion lenses in front of the LEDs create a 180° viewing angle. The electronic display modules shall be waterproof and shock resistant being encapsulated in a urethane-based potting compound. The potted display modules shall be mounted to a common chrome plated panel-mount bezel with a durable easy-to-read polycarbonate insert featuring red graphics and a foam icon.

All programming functions shall be accessed and performed from the front of the display module. The programming includes manual or self-calibration and networking capabilities to connect remote slave displays. Low tank level warnings shall include flashing red LEDs starting below the  $\frac{1}{4}$  level, down-chasing LEDs when the tank is almost empty, and an output for an audible alarm.

The display modules shall each receive an input signal from a dedicated pressure transducer. These stainless steel sender units shall be installed on the outside of the foam tanks near the bottom. All wiring, cables and connectors shall be waterproof without the need for sealing grease.

**Location of dual foam tank level monitor shall be:**