

Sample Specification for Level Monitor (Arjay Level-Ease 2000 series)

The level probe shall be of a high frequency capacitance technology to monitor for the dielectric change between the liquid or solid product and air or the two liquids for interface applications .

The main electronics is to be an intelligent (smart) controller mounted remote from the probe using a 2-conductor shielded wire. This will be housed in a Type 4X enclosure with viewing window for the display.

All calibration, power and control wiring shall be at the control unit. Power input shall be specified as 24vdc or 120 vac or 230 vac. Calibration, diagnostics and menu selection shall be accessed by keypad entry and displayed on a four line LCD backlit display.

The output shall be an isolated 4-20 mA signal proportional to the user calibrated range. A two point entry value for calibration will be required after installation. A zero or span is not to be required. Four independent relays will be available.. Each will have time delay, high low fail-safe selection, and full differential for cycling the relay between two points.

The unit may accept two probe inputs into one unit with a simultaneous display is specified.

The sensing probe shall be of Teflon and 316 SS wetted parts with a cast aluminum , epoxy coated explosion proof junction head. The probe shall have an included 316SS concentric shield for linearization and calibration if the product vessel is cylindrical horizontal or non-metal.

The probe length is to be sized to the application..

The standard probe assembly shall carry a CSA Class 1 Div 1 Approval.

The level system shall be the Level-Ease 2000 series as manufactured by Arjay Engineering, www.ArjayEng.com.