

Sample Specification for In-line Pipe/ Dry Pump Monitor (Model 9830-DPM)

The pipe or pump flange sensor shall be of a high frequency capacitance technology to monitor for the dielectric change between the material and air (dry condition) or between the two liquids in interface applications.

A 2-conductor shielded cable will run from the sensor to the control unit that can be mounted up to .8 Km distance. The sensing flange shall be inserted between two wafer flanges and will be of PVC construction.

All calibration, power and control wiring shall be at the wall mounted Type 4X control unit. Power input shall be specified as 24vdc, 120 vac or 230 vac.

A time delay and sensitivity adjustment shall be standard to avoid nuisance alarms. The alarm relay shall be one DPDT, 5 amp dry contact. The terminal block shall be plug-in for ease of maintenance.

The sensor is to be sized according to the pipe line size.

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

An optional Intrinsic Barrier may be specified to make the sensor assembly Intrinsically Safe where applicable (Part. #A00071)

The controller and sensor shall be the Model 9830-DPM as manufactured by Arjay Engineering, www.ArjayEng.com.