

Sample Specification for Dry Pump Monitor (Model 2852-DPM)

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

A 2-conductor shielded cable will run from the sensor to the control unit that can be mounted up to 1 km distance. The sensing flange shall be inserted between two wafer flanges. The sensor will be of PVC construction.

All calibration, power and control wiring shall be at the wall mounted Type 4X/IP65 control unit. Power input shall be specified as 24vdc or 80 to 240 vac.

A time delay and sensitivity adjustment shall be standard to avoid nuisance alarms from bubbles. The alarm relay shall be two SPDT, 10 amp dry contact. The terminal blocks shall be plug-in for ease of maintenance and installation. An RS-485 Modbus communication port will be standard.

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

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 2852-DPM and flange sensor as manufactured by Arjay Engineering Ltd., www.ArjayEng.com.