

Sample Specification for Oil Water Interface Alarm (2880 OWI)

The oil/water interface probe shall be of a high frequency capacitance technology to monitor for the dielectric change between a water and oil interface.

A pulse card mounted at the probe head will pulse the signal to the control unit via 2-conductor shielded cable. The control unit can be mounted up to 1 km distance. The sensing probe shall be of Teflon and 316 SS wetted parts.

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 80-240 vac. An RS-485 Modbus communication port will be standard.

The transmitter will provide a 4-20 mA output proportional to calibrated interface change along the length of the active probe.

The probe length is to be sized to the application and can be top (with sheath option) or side angle mounted. A horizontally mounted probe can be calibrated as a function of the approaching emulsion layer and change from water to oil.

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

The transmitter shall be the Model 2880-OWI and probe as manufactured by Arjay Engineering Ltd., www.ArjayEng.com.