

## **Sample Specification for Oil Water Separator Alarm**

### **(Arjay 2852-OWS)**

The oil/water interface probe shall be of a high frequency capacitance technology to alarm when the accumulated oil in the oil water separator crosses the active portion of the probe,

A pulse card mounted at the probe head will transmitter 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.

Control interface shall include two SPDT relay contacts, a 4/20 mA discrete alarm and a Modbus interface.

The probe length is to be sized to the application and can be top (with sheath option) or side mounted.

The controller unit shall be cCSAus and IEC CB Scheme certified for electrical safety and CE Declared. The probe shall be Ex db Class 1 Zone 1 & 2 certified to cCSAus, ATEX and IECEx. An optional Intrinsic Barrier and certification shall be available to make the probe Intrinsically Safe Ex ia, Class 1 Div 1 & 2 and Zone 0, 1 & 2 where applicable.

The unit shall be manufactured in an ISO 9001:2015 certified facility.

The unit shall be as Arjay Engineering Ltd model 2852-OWS. [www.arjayeng.com](http://www.arjayeng.com)