

Sample Specification for Oil/Water Separator Alarm

(Model Arjay 2882-OWS)

The Oil/Water Separator alarm shall be of a high frequency capacitance technology to monitor for the dielectric change between two liquids of differing dielectrics, such as oil and water.

The electronics shall be mounted integral to the probe and housed in an epoxy coated cast aluminum explosion proof enclosure. The probe shall be of Teflon and 316SS wetted parts. An inactive sheath shall be included to blind the probe from any upper liquid surface changes or surges.

All calibration, power, and control wiring shall be directly at the probe head. Power input shall be 12 vdc, 24 vdc or 80-240 vac as specified. Calibration shall be done via an onboard keypad with display interface of menus for set-up and diagnostics.

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

The probe length and process fitting type will be as specified to ensure the active probe tip is submerged continuously in liquid.

The controller unit shall be cCSAus and IEC CB Scheme certified for electrical safety and CE Declared. The controller and probe shall be Ex db IIC T5 Gb Class 1 Zone 1 & 2 certified to cCSAus, ATEX and IECEx as required. The unit shall be manufactured in an ISO 9001:2015 certified facility.

The unit shall be as Arjay Engineering Ltd model 2882-OWS. www.arjayeng.com