

Sample Specification for Oil Water Separator Alarm (Model 9820-OWS)

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

The electronics is to be integral to the probe assembly and housed in an epoxy coated cast aluminum explosion proof housing. The sensing probe shall be of Teflon and 316 SS wetted parts.

All calibration, power and control wiring shall be at the control unit. Power input shall be specified as 12 vdc, 24 vdc, 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. Terminal connections shall be plug-in style for ease of maintenance.

The probe length is to be sized to the application. The unit will alarm when oil is within 10 cm (4") of the probe tip. Determine the probe length required from the probe fitting to the probe tip. An inactive sheath will be standard with the probe to avoid nuisance alarms from separator surging.

The standard probe assembly shall carry a CSA Class 1 Div 1 Gr. C, D Approval.

The system will comprise of

- A. Controller Part # A00275 (12 vdc)
 - or Part # A00277 (24 vdc)
 - or Part # A00279 (120 vac)
 - or Part # A00281 (230 vac)

plus

- B. Probe Sensor Part # PEA-L(length)-D-Z

The alarm unit with probe shall be the Model 9820-OWS as manufactured by Arjay Engineering, www.ArjayEng.com.